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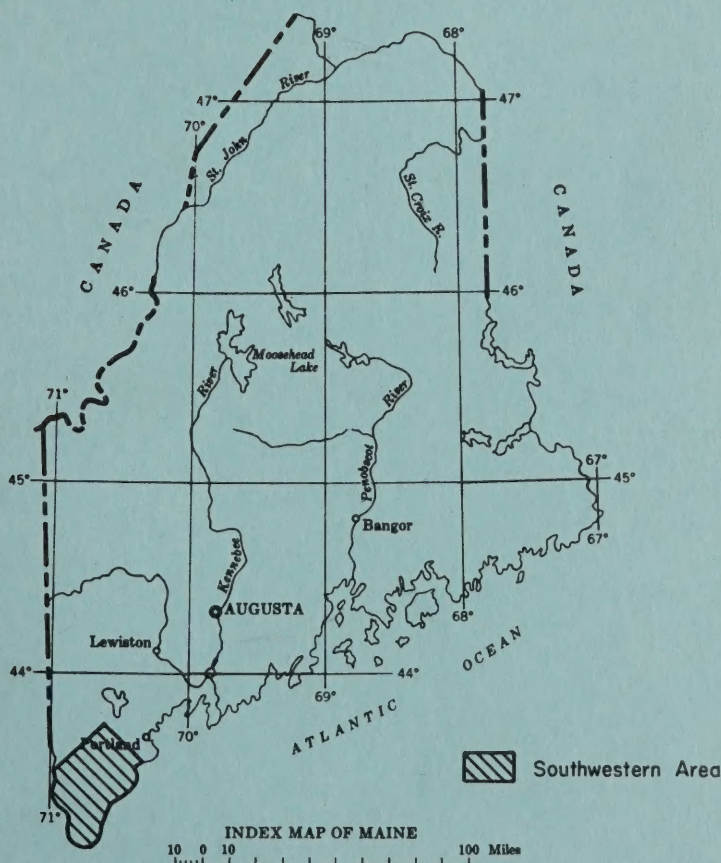
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MAINE BASIC - DATA REPORT NO. 1
GROUND - WATER SERIES

SOUTHWESTERN AREA

By

GLENN C. PRESCOTT, JR. AND JANET A. DRAKE



PREPARED IN COOPERATION WITH THE STATE OF MAINE
PUBLIC UTILITIES COMMISSION

1962

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UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

MAINE BASIC-DATA REPORT NO. 1
GROUND-WATER SERIES

SOUTHWESTERN AREA

Records of selected wells, test holes, and springs
in southwestern Maine

By

Glenn C. Prescott, Jr. and Janet A. Drake

Prepared in cooperation with
THE STATE OF MAINE, PUBLIC UTILITIES COMMISSION

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INTRODUCTION

The area covered by this report is in York County in southwestern Maine (fig. 1). It includes an area of about 800 square miles. The area is bounded on the east by the Atlantic Ocean and on the west by the State of New Hampshire. The Little Ossipee River forms the northwestern boundary and Cumberland County is on the northeast.

This report presents basic data collected as part of an investigation of the geology and ground-water resources of southwestern Maine by the U. S. Geological Survey in cooperation with the Maine Public Utilities Commission. The data have been prepared for release in order to make available to the public basic ground-water data that will be useful in the planning of water-resources development.

A surficial geologic map of the area with an explanation of the hydrologic properties of the various water-bearing formations was published in August 1962. A more detailed report on the geology and ground-water resources of the area will be published later in the Water-Supply Paper series of the Geological Survey.

Most of the data contained in this report were collected by the senior author during the period July 1959 to August 1962. The data include records of 688 wells, springs, and test holes (tables 2 and 3); logs of 73 wells or test borings (table 4); "complete" chemical analyses of 13 samples of ground water (table 5); partial chemical analyses of 111 samples of ground water (table 6); measurements of water levels in 1 observation well (table 7); and the quantity of water produced for public supply during 1961 (table 8). The locations of wells, springs, and test holes are shown on figure 1.

Table 1 is intended as an aid in determining the general characteristics and relative worth as aquifers of the water-bearing units penetrated by the wells and test holes.

NUMBERING AND LOCATION SYSTEMS FOR WELLS AND SPRINGS

Wells, springs, and test holes in this report are numbered consecutively and these numbers are shown on figure 1. In the well-numbering system used in Maine, the consecutive numbers are preceded by a letter or combination of letters to designate the county as Y-1 (for well 1 in York County) or Ar-1 (for well 1 in Aroostook County). However, as the area covered by this report lies entirely in York County and all but 6 wells inventoried are within the county, the prefix will be omitted in this report. Wells in Cumberland County will be so indicated in the remarks column of table 2.

As an aid in locating wells, test holes, and springs, a well-location system utilizing a 6-digit number and letter prefix has been adopted (see figure 2). In this system the State is subdivided into 1-minute quadrangles, each being designated by the latitude and longitude in degrees and minutes of its southeast corner. The well-location number consists of the coordinates designating the 1-minute quadrangles preceded by a letter prefix to indicate the county, as in the well-numbering system. For the sake of brevity the 10's digit of both the latitude and longitude may be omitted without causing confusion because the latitude of Maine is entirely within the 40's and the longitude ranges from about 67° to 71°. As in the numbering system the letter prefix is being omitted in this report also.

It should be noted that this system does not give the exact location of any well but simply places it within a 1-minute quadrangle (which is about 1 square mile in area).

Location of well whose location number
is Y-322-033.

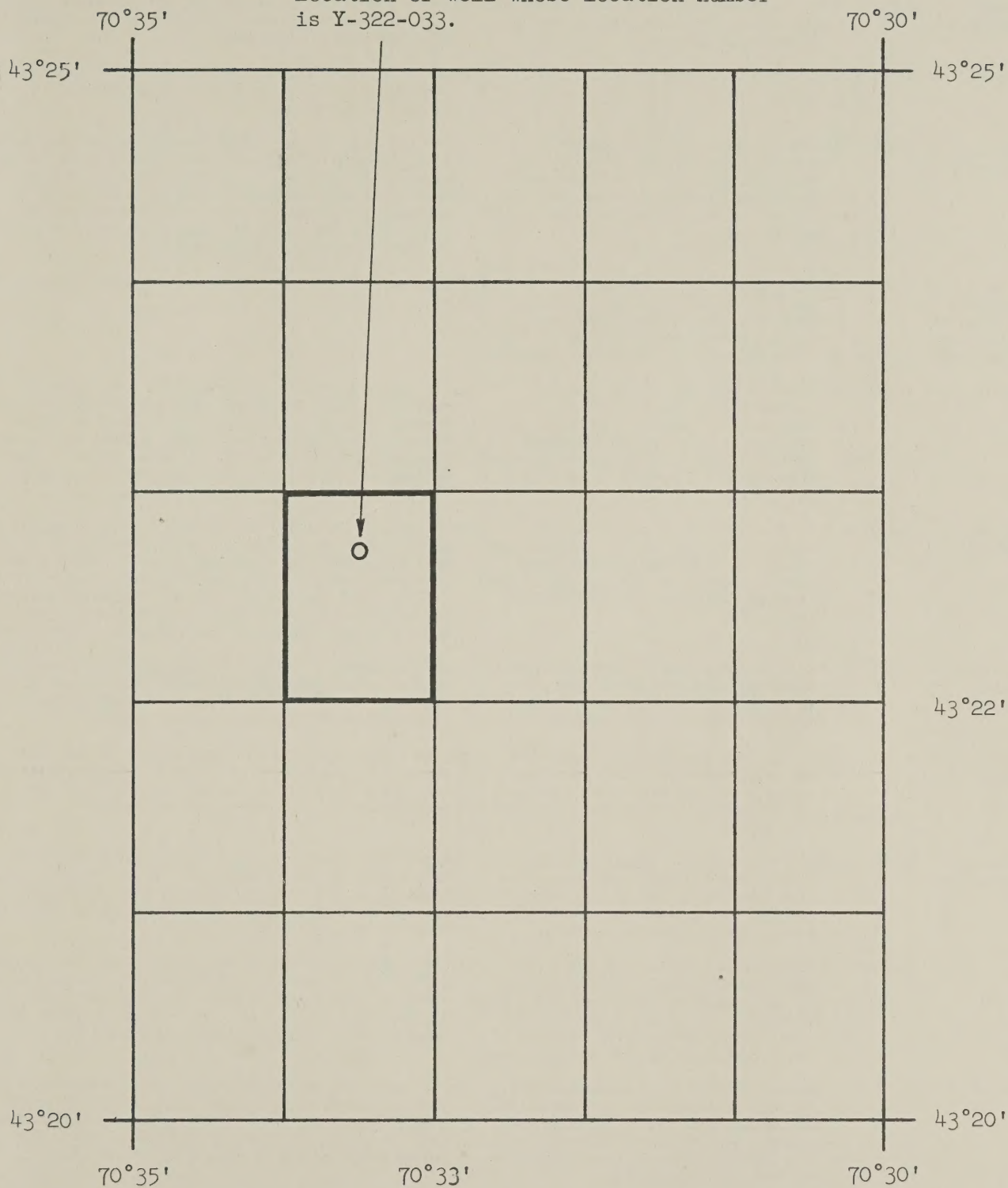


Figure 2.--Diagram illustrating the numbering and location systems for wells and springs.

Table 1.--Geologic units in southwestern Maine and their water-bearing characteristics

Geologic unit	Thickness: (feet)	Character	Water-bearing characteristics
Coastal sediments	0-25(?)	Fine to medium sand with some coarse sand and gravel, on modern beaches and in dunes behind beaches.	Deposits are fairly permeable and may contain a small lens of fresh water above salt water. Yield water to very few wells in this area.
Alluvium	0-15(?)	Silt, clay, and sand of river flood plains.	Deposits probably contain small quantities of ground water but are not considered to be an aquifer. Subject to flooding.
Swamp deposits	0-20(?)	Chiefly organic material--partially decayed leaves, roots, moss, ferns, wood, and heath plants and grasses (peat)--and some silt, clay, sand or gravel. Also includes salt-marsh deposits	Occur in low-lying and poorly drained areas. Not known to yield water to wells in southwestern Maine but may supply a few springs. May be a source of recharge to underlying sand and gravel deposits and help to maintain dry-weather flow of streams issuing from them. Water may be acidic, highly colored, or high in nitrate or other organic matter.
Eolian deposits (exclusive of coastal dune sand)	0-30(?)	In many places consist of about 2 feet of tan silt (loess) overlying glacial drift. In Old Orchard Beach area consist of 0 to about 30 feet of fine to medium sand in vegetated, fixed dunes.	Not known to yield water to wells in southwestern Maine.
Outwash	0-100(?)	Stratified sand and gravel beneath outwash plains and in deltas. Percentage of gravel is greatest near ice-contact deposits and decreases seaward. Sand is principal constituent. Some sand was deposited in sea.	Water supply depends on thickness and grain size of deposits. Near ice-contact deposits outwash may yield several hundred gpm (gallons per minute) to wells. Seaward, where deposits are finer grained and thinner, they may yield enough water for domestic use. Many springs at contact of outwash and underlying marine clay. Water generally of good quality.
Ice-contact deposits	0-150(?)	Well stratified to poorly stratified deposits of sand, gravel, cobbles, and boulders. Landforms include kames, kame terraces, kame fields, eskers, and crevasse fillings. Are transitional with outwash.	These deposits are the best source of large supplies of ground water in southwestern Maine, especially where they are relatively thick and in contact with a body of surface water. Under most favorable conditions as much as 1,000 gpm may be obtained from wells tapping ice-contact deposits. Water is generally of good quality though locally contains excessive iron.
Pleistocene beach deposits	0-80(?)	Steeply dipping beds of sand and gravel occurring primarily as fringes or aprons around drumlins in Kittery, Eliot, York, and South Berwick.	Generally stand at relatively high levels and are dry or contain water only near the base. Yield water to a few wells or springs but because of small areal distribution are not an important aquifer.
Marine deposits	0-190	Black to dark blue or gray silt, clay, and very fine sand. Also includes layers of medium sand a few inches or few feet thick. Where weathered, the clay may be tan.	May be completely saturated but because of the fine grain size yield water very slowly. Supply water to some dug wells in sandy zones. In places water-bearing sand lies between clay and bedrock.
Premarine stratified drift	0-70(?)	Stratified sand and gravel with some cobbles and boulders where deposits were probably of ice-contact deposit origin. Medium sand where deposits were probably premarine outwash.	Outcrop area of unit is small but probably buried in many places by marine deposits. Yields 20-30 gpm to wells in Dayton area and about 75 gpm to "Boiling Spring" in Dayton. Probably contains water and yields water to wells in other areas.
Till	0-100(?)	A heterogeneous mixture of clay, silt, sand, gravel, cobbles, and boulders. In some places is very sandy and resembles ice-contact deposits. In other areas, particularly in areas of thick till, is clay rich and very dense.	Till is widespread and is the source of relatively small quantities of water to many dug wells. Drilled wells striking gravel beds within till in places yield 10 to 15 gpm. Dug wells in till are likely to go dry in the summer. Water generally is of good quality.
Bedrock	-	Igneous rocks (chiefly granite, gabbro, diorite, granodiorite, and pegmatite) and metamorphic rocks (chiefly slate, schist, gneiss, quartzite, argillite, and phyllite) ranging from Ordovician to Mississippian in age.	Rocks are dense and impermeable. Water occurs in joints, fractures, and bedding planes. Yield of 137 wells ranges from less than 1 to 150 gpm. The yield of more than 50 percent of these is less than 5 gpm. The median depth of 162 bedrock wells is 130 feet.

Table 2.--Records of selected wells and test holes in southwestern Maine

Well no.: For explanation of well-numbering system, see text.
 Location: For explanation of well-location system, see text.
 Altitude above sea level: Altitudes of wells are interpolated from topographic maps and are probably accurate to within 10 feet. Datum is mean sea level. Altitudes of highway test borings were instrumentally determined.
 Type of well: B, bored; Dn, drilled; Dr, dug; J, jetted (includes tests by the "wash-boring" method).
 Depth of well: Depths expressed in feet and tenths are measured; those in whole feet are reported. Depths are below land-surface datum.
 Principal water-bearing material: For explanation of geologic units from which water is drawn, see table 1.

Level: Water levels expressed in feet, tenths, and hundredths are measured; other water levels are reported. Depths are below land-surface datum except when preceded by a + indicating they are above land-surface datum. Wells which overflowed at time of drilling but for which the water level is not known are so indicated.
 Use: A, abandoned; C, commercial or industrial; D, domestic; Ir, irrigation; N, not used; O, observation; PS, public supply; S, livestock (including chickens); T, test.
 Type of pump: C, centrifugal; CYL, cylinder; H, hand (pitcher) pump; J, jet pump; N, none; P, piston; Rb, rope and bucket; S, submersible turbine; Su, suction; T, vertical turbine.
 Remarks: C, chemical analysis in table 5; L, log in table 4; N, not used; PCA, partial chemical analysis in table 6; T, temperature in degrees Fahrenheit; Y, yield in gallons per minute; dd, drawdown in feet produced by pumping at preceding rate.

Well no.	Location	Owner or user	Town	Altitude	Year above ground	Type of well	Depth of well	Diameter of well	Principal water-bearing material	Geologic Character	Level	Date of measurement	Type of use	Remarks
				(ft.)	completed	of well	(feet)	(inches)						
2	*338-029	Freeda Berry	Buxton	185	-	Du	11.8	36	Sand and clay	Outwash or marine deposits	8.20	10-18-61	D, S	Su
3	341-032	Millard Southwick	do.	290	-	Dn	32	1½	Sand and gravel	Ice-contact deposits	21	-	D	C
4	341-035	Carroll Walker	do.	290	-	Dn	17	1½	Sand	do.	-	-	D	C
5	341-035	Lawrence Walker	do.	290	-	Dn	12	1½	do.	do.	8	8-47	D	C
6	343-039	P. Baker	Limington	265	-	Du	13.8	36	do.	do.	7.12	10-19-61	D	C
7	341-039	Fred Wildes	do.	280	-	Dn	15	1½	do.	do.	9	-	D	P
8	340-037	C. W. Dyer	Hollis	1950	260	Dr	120	6	-	Bedrock	5	-	D, S	-
9	340-036	Henry Swanton	do.	1949	210	Dr	48	6	-	Thill	20	-	D, S	J
10	340-036	do.	do.	220	220	Du	40	36	-	do.	20	-	D, S	J
11	341-037	R. A. Usher	do.	260	260	Du	42	36	-	Bedrock	-	-	D, S	C
12	339-037	Henry Swanton	do.	285	285	Dn	28	1½	Sand	Outwash	18	-	D, S	P
13	339-036	Stanley Russell	do.	280	280	Dr	180	6	-	Bedrock	60-80	-	D	-
14	339-037	Kenneth Ingalls	do.	285	285	Du	20.3	30	Sand	Outwash	16.61	10-19-61	D	-
15	339-040	Austin W. Smith	do.	280	280	Du	22	36	-	Ice-contact deposits	19	-	D	C
16	340-036	Hobart L. Hargraves	West Buxton	205	205	Dr	188	6	-	Bedrock	43	10-61	D	J
19	329-034	Ernest D. Hill	Lyman	1946	140	Dr	50	6	Gravel	Thill	20	-	D, S	J
20	329-041	Jakeman	do.	280	280	Du	6.1	20	-	do.	4.68	10-25-61	D	H
21	329-042	Floyd Davis	Alfred	280	280	Du	6	20	-	do.	2	-	D, S	P
22	328-042	Hector Roux	do.	270	270	Dr	180	6	-	Bedrock	35-40	-	D, S	J
24	330-035	Cousens Memorial School	Lyman	1957	210	J	38	-	-	-	-	-	T	-
														Probably to bedrock.

* Location numbers 338-029 = 43°38'1"-70°29', 341-032 = 43°41'1"-70°32', etc.

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well no.	Location	Owner or user	Town	Altitude above sea level (ft.)	Depth of well (feet)	Diameter of well (inches)	Principal water-bearing material	Character of unit	Geologic unit	Level	Date of measurement	Type of use	Remarks
25	330-034	Advent Christian Church	Dayton	180	Dr	145	6	-	Bedrock	-	-	D	Y 1 3/4, Bedrock near surface.
26	330-034	George McAlevey	Lyman	210	Du	28.2	30	Gravel	Ice-contact deposits	27.88	10-25-61	D	P
27	330-034	Raymond Dede	do.	200	Dr	153	6	-	Bedrock	-	-	D	J
28	330-038	-	do.	350	Du	10.5	30	-	Till	7.76	10-25-61	A	N
29	330-036	W. C. Smith	do.	267	Du	16	36	Sand and gravel	Ice-contact deposits	14	-	-	P
30	330-035	Mrs. Nason	do.	210	Du	12.1	25	do.	do.	9.70	10-25-61	D	N
31	317-049	William Hunt	Berwick	225	Du	21.7	36	Sand	Till	13.19	10-26-61	S	CYL
33	317-049	do.	do.	225	Du	17.5	36	do.	do.	13.14	10-26-61	N	N
35	316-048	H. L. Emery	do.	170	Du	19.5	30	do.	do.	14.80	10-26-61	N	N
36	331-044	Thomas W. McConkey	Waterboro	590	Du	30	30	do.	do.	-	-	P	P
37	328-040	Massachusetts Exp. Forest	Lyman	320	Dr	161	6	-	Bedrock	20	-	D	J
38	328-034	Ralph Pillsbury	Arundel	110	Dr	240	6	-	do.	flows	-	D	J
													Also supplies filling station. Reported 100 ft. of clay, 60 ft. of sand above bedrock.
39	328-033	Mrs. John Paquet	do.	90	Dr	137	6	Gravel	Till?	10	-	D,S	J
39a	328-033	do.	do.	100	Dr	335	6	-	Bedrock	flowed	-	A	N
													Water salty. 190 ft. to bedrock.
40	328-035	Byron Kimball	do.	200	Dr	230	6	-	do.	-	-	-	-
41	328-036	Day's Lunch	Lyman	215	Du	14	1 1/2	Sand	Outwash	5	-	D,C	C
													Insufficient supply. Also supplies restaurant.
42	332-034	Ernest Hill	Dayton	185	Dr	79	6	Gravel	Premarine stratified drift	-	-	D,S	J
													Y 5.
43	332-034	Robert Taylor	do.	180	Dr	90	6	do.	do.	-	-	A	N
													House burned in 1947 fire.
44	331-033	Mary Waterhouse	do.	180	Dr	142	6	-	Bedrock	-	-	D	J
45	332-036	G. K. Grantham	do.	265	Dr	54	6	Sand and gravel	Ice-contact deposits	-	-	D	CYL
													Y 15.
46	332-034	Robert Taylor	do.	180	Dr	100	6	-	Premarine stratified drift	60	-	D	-
													Very large flow.
47	332-033	Clement Meserve	do.	180	Dr	56	6	-	Bedrock	-	-	D,S	-
													Reported about 18 ft. to bedrock.

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well: Location no.:	Owner or user	Town	Year completed:	Altitude: above sea level: (ft.):	Depth: of well: (feet):	Diameter: of well: (inches):	Principal water-bearing material: Character:	Geologic unit:	Level: Date of measure- ment:	Use: of pump:	Remarks
48 : 341-035	Bonny Eagle High School	Buxton	1960	295	Dr	30	Sand and gravel	Ice-contact deposits	-	FS	PCA.
49 : 341-035	do.	do.	1960	295	Dr	30	do.	do.	-	FS	PCA.
50 : 338-032	Hanson Jr. High School	do.	1913	225	Dr	86	do.	Bedrock	-	FS	PCA.
51 : 340-034	Jack Memorial School	do.	1951	285	Dr	168	-	do.	-	FS	J
52 : 336-032	Bar Mills Elementary School	do.	1957	220	Dr	208	-	do.	4	FS	J
53 : 338-032	Buxton Center School	do.	1957	225	Dr	209	-	do.	11	FS	J
54 : 338-036	Hollis Jr. High School	Hollis	-	200	J	15.1	Sand	Outwash	4.1	FS	PCA. Six wells at this site.
55 : 338-036	Hollis High School	do.	1941	200	Dr	180	-	Bedrock	-	FS	PCA.
56 : 339-036	West Buxton Baptist Church Parsonage	do.	1949	220	Dr	217	-	do.	-	D	Y 1/2.
57 : 336-032	Karl Anderson	Buxton	1961	245	Dr	100	-	do.	21.50	D	Y 12. Not in use yet.
58 : 336-034	Lucene Owens	Hollis	1960	130	Du, B	35	Sand	Marine deposits?	18.54	D	Pump not installed at time of visit.
59 : 336-033	Hollis-Buxton Hospital	do.	1945	200	Dr	66	-	Bedrock	-	D	Y 10.
60 : 339-032	Mrs. Oakley Straw	Buxton	1948	220	J	24	-	Till	-	D, S	P
61 : 338-032	Sumner Hill	do.	-	210	Du	-	-	do.	-	D, S	J
62 : 338-032	Norman Hill	do.	-	-	Dr	36.5	-	Bedrock	4.63	A	N
63 : 338-032	do.	do.	1948	-	Du, Dr	65	-	do.	-	D, S	J
64 : 337-032	Reginal Gerrish	do.	-	205	Dr	55	Clay?	Marine deposits?	-	D	C
65 : 337-032	Ray Smith	do.	1948	220	Dr	100	-	Bedrock	-	D	Y 4.
66 : 330-034	Leo Goodwin	Dayton	1959	150	Dr	100	-	do.	30	D	C. PCA. Y 2.
68 : 330-034	Robert Cole, Sr.	do.	1956	180	Dr	100	-	Outwash?	45	D	Y 50. 93 ft. to bedrock.
69 : 331-032	Harris Cole	do.	1944	160	Dr	273	-	Bedrock	40-50	D, S	J
70 : 331-032	Robert Cole, Sr.	do.	1961	160	Dr	355	-	do.	-	D, S	S
71 : 331-033	do.	do.	1953	160	Dr	111	-	do.	-	D, S	P
72 : 331-032	A. Landry	do.	1944	160	Dr	172	-	do.	-	D, S	J
73 : 331-032	do.	do.	1950	160	Dr	296	-	do.	-	A	N
73a : 331-032	do.	do.	1950	160	Dr	512	-	do.	-	A	N
74 : 331-032	L. J. Roberts	Biddeford	1949	100	Dr	121	-	do.	4	D, S	J
75 : 329-031	William A. Dolliff	do.	1950	100	Dr	209	-	do.	35-40	D, S	J
76 : 332-037	-	Lyman	-	310	Du	-	-	Till	9.44	D	Rb
77 : 342-032	Ralph O. Winship	Buxton	1953	310	Dr	100	-	Bedrock	-	D	Y 3. 7 ft. to bedrock.
78 : 343-035	Wingate I. Stevens	Standish	1958	345	Dr	85	-	do.	-	D	Y 8. Actually in Cumberland County.
79 : 341-035	P. M. Swan	do.	-	280	Dr	192	-	do.	8	D	Y 5. Actually in Cumberland County.
80 : 341-035	L. J. Davis	do.	1959	280	J	17	Sand and gravel	Ice-contact deposits	5	D	P

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well location no.	Owner or user	Town	Altitude : above sea level : (ft.)	Depth : of well : (feet)	Diameter : of well : (inches)	Principal water-bearing material : Character	Geologic unit	Level : (feet)	Water : Date of : measure :	Type : of : pump :	Remarks
81 : 341-035	R. H. Bundy	Standish	280	Dr	150	6	Bedrock	8	-	D	Y 2. Actually in Cumberland County.
82 : 341-035	A. L. Carmichael	do.	280	Dr	137	6	do.	-	-	D	Actually in Cumberland County.
83 : 341-035	Ovide St. Pierre	Buxton	1960	Dr	120	6	do.	29	-	D	J : Y 1/2. 35 ft. to bedrock.
84 : 340-033	Wilbur S. Roberts	do.	290	Dn	14	1 1/4	Sand and gravel	12	-	D, S	P
85 : 339-036	P. W. Plummer	Hollis	165	Dr	110	6	Bedrock	flows	-	D	N : Less than 1 gpm about 3 ft. above land surface.
86 : 338-035	Frank H. Jewett	Buxton	230	Du	10	36	do.	6	-	D, S	Su : PCA.
87 : 338-035	Frederick Smith	do.	1953	205	J	20	do.	-	-	N, T	N
88 : 338-035	L. A. Gerrish	do.	270	Dn	-	-	Sand and gravel	-	-	D	C
89 : 339-032	Mrs. Oakley Straw	do.	220	Du	16.9	-	do.	7.85	-	N	-
90 : 339-031	Capt. George Beesley	do.	260	Dn	22	1 1/2	Ice-contact deposits	20	-	D	C
92 : 340-029	D. Worster	do.	200	Dn	30	1 1/4	Sand	-	-	D	-
93 : 339-030	Andrew S. Flood	do.	250	Dn	24	1 1/2	deposits	-	-	D	-
94 : 337-031	Lawrence Pancek	do.	1949	200	Dr	152	Outwash	20	-	D	C
95 : 339-034	Harold Smith	do.	1950	320	Dr	84	Bedrock	11	-	D	P
96 : 340-035	George Elwell	do.	1954	230	Dr	115	do.	flowed	-	J	Y 4, 14 ft. to bedrock.
97 : 339-033	Bessie McLeese	do.	280	Dr	125	6	do.	-	-	D, S	Y 23, 20 ft. to bedrock.
99 : 337-029	John E. Hayes	do.	190	Dr	360	6	do.	-	-	D, S	J : Y 3. Reported 20-30 ft. to bedrock.
100 : 337-030	Buxton Grange #95	do.	1942	210	Dr	75	do.	-	-	D	-
101 : 336-032	Alton Wood	do.	1956	250	Dr	110	do.	-	-	D	Y 14. Reported 54 ft. to bedrock.
102 : 335-033	Carroll A. Priest	do.	1961	200	Dr	175	do.	26	-	D	-
103 : 335-033	Emil Cederfeit	do.	1961	200	Dr	280	do.	-	-	D	Y 20.
104 : 334-038	Edmond McLaughlin	Lyman	1953	290	Dr	65	do.	-	-	D, C	J : Restaurant.
104a : 334-038	do.	do.	290	Dn	25	1 1/2	Sand and gravel	-	-	D, C	: Restaurant.
105 : 335-037	L. H. Scammon	Hollis	1948	250	Dr	100	deposits	-	-	D	-
106 : 330-041	-	Lyman	380	Du	7.6	30	Bedrock	7.05	11-8-61	A	N : Y 1.
107 : 330-042	Notre Dame Institute	Alfred	1957	330	Dr	284	Fill	42	-	D, S	S : Y 10.
109 : 330-038	H. W. Sawtell	Lyman	1948	330	Dr	144	do.	23	-	D	J : Y 8.
110 : 332-038	-	do.	280	Du	11.0	36	Sand and gravel	9.66	11-8-61	D	Rb : Summer place.
111 : 334-036	Hollis Lumber Co.	Hollis	1944	225	Dr	192	deposits	-	-	D	-
112 : 334-036	Mrs. Cecil Clark	do.	1943	108	Dr	108	Bedrock	-	-	D	P : Y 1.
113 : 336-035	Ruth Noble	do.	160	Dr	100	6	do.	-	-	D	-
114 : 336-035	Carl Landry	do.	1918	160	Dr	225	do.	15	-	D	J : Y 10.
115 : 336-032	Charles Sutton	Buxton	1960	160	Dr	127	do.	-	-	D	-
116 : 336-032	Marion Hague	do.	1955	160	Dr	127	do.	3	-	D	-
117 : 337-035	Leslie Meserve	Hollis	165	Du	18.0	60	Marine	8.90	11-8-61	D, S	P : from 100 to 127 ft. to bedrock.
118 : 338-038	Harold Johnson	do.	300	Du	18	36	deposits	15	-	D	-
119 : 337-039	Earl Riley	do.	1950	440	Dr	47	Ice-contact deposits	flows	-	D	J : low in summer.
120 : 337-040	J. H. Campbell	do.	380	Du	17.0	24	Bedrock	11.31	11-8-61	D	Rb : Treated to remove iron.

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well location no.	Owner or user	Town	Altitude : feet	Year completed	Depth : feet	Diameter : inches	Principal water-bearing material : Character	Geologic unit	Level : feet	Date of measurement	Type of use	Remarks
121	337-040 : J. H. Campbell	Hollis	380	1948	Dr	166	-	Bedrock	-	-	D	- Y 10.
122	332-044 : Harold B. Howard	Waterboro	310	-	Dr	78	-	do.	flows	-	D	- Y 7½. Reported 20 ft. to bedrock. Flows 7½ gpm over top.
123	332-042 : Milton Daney	do.	270	-	Du	16	Sand	Outwash	8	-	D	P
124	332-041 : George F. Smith	do.	360	-	Dr	148	-	Bedrock	25-30	-	D	J
125	332-042 : Delphie Turgeon	do.	270	-	Dr	115	-	do.	25	-	D	J
126	331-041 : Willard Rollins	Lyman	370	1948	Dr	93	Coarse gravel	Fill	8	-	D,S	J
127	333-042 : Heritage Trophies	Waterboro	280	1961	Dr	440	-	Bedrock	12	-	D,C	S
128	332-042 : Gerald Stromberg	do.	270	1949	J	20	Sand	Outwash	-	-	-	-
129	332-042 : Frank Belmore	do.	265	1959	Dr	85	-	Bedrock	5	-	D,C	J
130	333-045 : Frank Laskey	do.	670	1956	Dr	69	-	do.	10	-	D	P
131	333-045 : Forrest Laskey	do.	600	1956	Dr	59	-	do.	flows	-	D,S	J
132	308-044 : Landon Hilton	Kittery	125	-	Du	16.5	-	Fill	8.71	11-14-61	D	Rb
133	321-039 : George Fenderson	Wells	205	-	Du	36	-	do.	8	-	D	P
134	325-037 : Earl Goldammer	Kennebunk	185	-	Dn	20	Sand	Outwash	8	-	D	P
135	340-035 : Stanley Townsend, Jr.	Buxton	220	1952	Dn	75	-	Bedrock	30	-	D	- Y 8.
136	311-047 : South Berwick Rod and Gun Club	South Berwick	120	1960	Dr	100	-	do.	14	-	D	H
137	308-049 : Adolph DeRoy	Eliot	15	1959	Dr	98	Gravel	Fill?	-	-	D,S	-
138	315-050 : J. J. Quill	Berwick	140	1960	Dr	156	-	Bedrock	16	-	D	- Y 5.
140	307-043 : Kittery Water District	Kittery	40	1942	Dr	38	Sand and gravel	Fill?	flows	-	A	N
141	314-047 : South Berwick Water District	South Berwick	110	-	Dr	53	Sand	do.	-	-	FS	T
142	314-047 : do.	do.	110	-	Dr	60	do.	do.	-	-	FS	T
143	319-044 : L. R. Boston	North Berwick	145	1946	Dr	275	-	Bedrock	20	-	D,C	-
144	320-043 : Lilly Beaners	do.	230	-	Dn	33.5	Sand	Outwash	29.48	3-4-58	A	N
144a	320-043 : do.	do.	230	1958	Dr	100	do.	do.	-	-	D	J
145	324-043 : E. Andrew Peterson & Co.	Sanford	240	-	Dr	235	-	Bedrock	flows	-	C	-
146	327-043 : Alfred Water Co.	Alfred	240	-	Du	28	120/Sand and gravel	Ice-contact deposits	-	-	FS	C
147	306-040 : Charles Dentrement	York	25	-	Dr	70	-	Bedrock	12	-	D	-
148	316-037 : Roger Anderson	Wells	110	1960	Dr	90	-	do.	6.20	10-6-60	D	-
149	321-050 : -	Berwick	325	-	Du	11.9	Sand	Outwash	6.05	7-16-59	A	N
150	321-050 : -	North Berwick	340	-	Du	38.5	-	Fill	31.25	8-31-59	A	N
151	322-032 : C. S. Page	Kennebunk	30	-	Du	14.0	Sand	Outwash	9.75	6-2-60	D	-
152	322-046 : -	North Berwick	440	-	Du	7.5	-	Fill	6.85	7-31-59	A	N
153	324-049 : -	Lebanon	440	-	Du	16.1	-	do.	12.32	7-24-59	D,N	N
154	329-049 : Formerly Palmer's Motel	Sanford	435	-	Dr	103	-	Bedrock	-	-	-	-
155	330-052 : Chester Emmons	Acton	500	1960	Du	11.5	Sand and gravel	Ice-contact deposits	8.45	9-7-60	D	-
												- Reported 20 ft. to bedrock. Summer cottage. New well at time of visit, no pump installed.

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well no.	Location	Owner or user	Town	Year completed	Altitude of well (ft.)	Depth of well (feet)	Diameter of well (inches)	Principal water-bearing material Character	Geologic unit	Water		Type of pump	Remarks			
										Level	Date of measurement					
156	326-052	Cyril T. Potter	Lebanon	-	365	Du	11.2	36	Sand and gravel	Ice-contact deposits	8.83	11-15-61	D	C	C.	
157	326-052	Potter Brothers	do.	-	375	Dr	140	6	-	Bedrock	4	-	D,S	C	C, Y 60.	
159	322-056	James Sinclair	do.	1960	445	Dr	190	6	-	do.	-	-	D	J	Y 2½.	
160	322-057	Newton Allen	do.	-	500	Du	17.3	24	-	Till	8.43	11-15-61	D	J		
161	320-055	Melvin Bailey	do.	1959	280	Dr	119	6	-	Bedrock	20	-	D	J	Y 5. Reported 11 ft. to bedrock.	
163	319-054	Danny Paine	Berwick	-	225	Du	15.8	30	Sand	Outwash	14.50	11-15-61	D	-	-	Went dry in summer of 1960.
164	316-052	Joseph Drago	do.	-	190	Du	20	24	-	Till	9	-	D	P		
165	316-052	M. I. Newsky	do.	-	195	Dr	300	6	-	Bedrock	-	-	D	-		
166	315-051	C. Vigne	do.	1961	180	Dr	46	6	-	do.	8	-	D,C	-	-	Y 25½. Restaurant. Reported 14½ ft. to bedrock.
167	316-051	Kenneth Horne	do.	1959	260	Dr	228	6	-	do.	12	-	D	J	FOA. Y 1½; dd 213. 5 ft. to bedrock. Yield and drawn down by bailer test.	
168	316-052	Kenneth McCormish	do.	1959	220	Dr	95	4	6	do.	6	-	D	-	-	Y 10; dd 84. Yield and drawn down by bailer test.
169	316-052	Leo Belair	do.	1959	210	Dr	150	6	-	do.	4	-	D	J	Y 2½; dd 136. Yield and drawn down by bailer test.	
170	317-049	Norris Gilpatrick	do.	1959	210	Dr	146	6	-	do.	16	-	D	J	Y 7½; dd 130. Yield and drawn down by bailer test.	
171	319-048	Vincent Rudolph	do.	1959	380	Dr	80	6	-	do.	10½	-	D	P	Y 6.	
172	319-049	Daniel Cooley	do.	1959	440	Dr	120	6	-	do.	36	-	D	J	Y 5; dd 64. Yield and drawn down by bailer test.	
173	319-049	-	do.	-	350	Du	17.7	24	-	Till	10.39	11-16-61	D	-	H	Bedrock at surface.
174	320-050	Charles Clay	do.	-	270	Du	10.7	30	-	Outwash	4.28	11-16-61	D	Rb		
175	318-051	Arthur Worster	do.	1959	300	Dr	310	6	-	Bedrock	6	-	D,S	J	Y 4½; dd 294. Reported 76 ft. to bedrock. Yield and drawn down by bailer test.	
176	318-051	Harry J. Roche	do.	1949	380	Dr	154	6	-	do.	20	-	D,S	J	Y 9. Yield has depreciated to about 1 gpm since time of drilling.	
176a	318-051	do.	do.	1939	381	Dr	132	6	-	do.	20	-	N	P	Y 4. Yield depreciated.	
177	317-049	Ray Sargent	do.	1960	200	Dr	208	6	-	do.	4½	-	D	-	Y 4; dd 196. Yield and drawn down by bailer test.	
178	317-047	Robert Canney	do.	1960	200	Dr	205	6	-	do.	-	-	D	J	Y 4½. Bedrock 6 ft. reported.	
179	316-050	Thomas Day	do.	1959	190	Dr	151	6	-	do.	-	-	D	J	Y 4; dd 141. Reported 10 ft. to bedrock.	
180	316-051	Clyde Randall, Sr.	do.	1961	250	Dr	167	6	-	do.	10	-	D	P	FOA. Y 3; dd 20. Reported 4 ft. to bedrock.	
181	315-049	Percy Golding	do.	1961	150	Dr	99	6	-	Till	-	-	D	J	Y 20. Reported 40 ft. to bedrock.	
182	316-048	Hartley Emery, Jr.	do.	1953	170	Dr	105	6	-	Bedrock	-	-	D,S	J	Y 5½. Reported 11 ft. to bedrock.	
183	314-046	Arthur St. Pierre	South Berwick	1961	80	Dr	237	6	-	do.	5	-	D	J	Y 3. Reported 21 ft. to bedrock.	
184	314-046	do.	do.	1960	80	Dr	170	6	-	do.	7	-	D	J	Y 20. Reported 5½ ft. to bedrock.	
185	317-041	Ernest Rhodes	Wells	1961	260	Dr	128	6	-	do.	11	-	D	J	Y 20. Reported 5½ ft. to bedrock.	
186	317-042	-	South Berwick	-	260	Du	9.8	24	-	Till	1.81	11-17-61	D	H	Used only in summer.	
187	316-041	R. W. Charbonneau	do.	-	210	Du	13.0	30	Sand	Outwash	10.70	11-17-61	D	-	-	

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well location no.	Owner or user	Town	Altitude : above sea level : (ft.)	Year completed	Depth : of well : (feet)	Diameter : of well : (inches)	Principal Character	Geologic unit	Level : Date of measurement	Water Use : pump	Remarks
189	315-044 : Jim Lee	South Berwick	200	-	45.0	36	Sand and gravel	Ice-contact deposits	36.52 : 11-17-61	D, S	J
190	314-043 : Mrs. Alfred Harvey	do.	120	-	16.8	30	Sand	Outwash	10.94 : 11-17-61	D, S	-
191	314-043 : Florence Boston	do.	160	1966	205	6	-	Bedrock	23	D	H
192	314-043 : Mr. Pershey	do.	105	1961	10.5	36	Sand	Outwash	6.80 : 11-17-61	D	-
193	315-045 : George Michaud	do.	130	-	105	6	-	Bedrock	15	D	J
194	312-047 : Monroe's Greenhouse	do.	194	-	106	6	-	do.	3	D, I	J
195	312-047 : A. L. Williams	do.	120	1959	100	6	-	do.	16	D	J
196	312-048 : Emile A. Boillard	do.	120	-	35	-	-	do.	1 1/2	-	P
197	312-048 : George Monroe	do.	150	-	130	6	-	do.	10	D	J
198	312-047 : Roland Rondeau	do.	120	1958	99	6	-	do.	-	D	P
199	312-047 : Gerard L. Demers	do.	80	1959	68	6	-	do.	-	D	J
200	314-045 : Raymond Wilkinson	do.	110	-	12	30	-	Fill	4	D	-
201	313-046 : Delmar Boston	do.	180	-	21	42	-	Bedrock	10	D, S	P
202	314-048 : Henry Vermette	do.	80	1960	70	6	-	do.	flowed	-	J
203	314-048 : Herbert Small	do.	100	1959	118	6	-	do.	22	D	J
204	314-048 : Albert Boillard	do.	90	1961	90	6	-	do.	2	D	S
205	314-048 : Albert Pelletier	do.	100	1961	60	6	-	do.	21	D	J
206	312-048 : Mrs. George Tyson	do.	70	1911	209	8, 6	-	do.	-	D	-
207	309-047 : Ronald Hinds	Eliot	110	1961	101	6	-	do.	11	D	J
208	329-037 : Robert E. Smith	Lyman	265	-	40	1 1/4	-	Ice-contact deposits	10	D	C
209	327-036 : Mrs. Arnold Corey	Kennebunk	200	1953	80	6	-	Bedrock	8	D	-
210	327-036 : Joel Morissette	Lyman	185	-	17	-	Sand	Outwash	2 1/2	D, S	P
212	326-034 : Herman Cohen	Kennebunk	140	-	42	42	do.	do.	22	D	C
213	331-029 : Lillian Patterson	Saco	125	1959	430	6	-	Bedrock	42	D, S	-
213a	331-029 : do.	do.	125	1959	610	6	-	do.	-	A	N
213b	331-029 : do.	do.	350	1959	350	6	-	do.	40	A	N
214	327-046 : Harold Shaw	Sanford	400	1947	109	6	-	do.	-	D, S	-
215	327-046 : do.	do.	400	1956	224	6	-	do.	15	D, S	-
216	327-046 : Sanford Water District	do.	-	-	-	-	Sand and gravel	Ice-contact deposits	-	PS	-
217	341-034 : M. W. Stover	Buxton	270	1953	30	-	-	-	-	T	-
218	305-045 : Valle's Steak House	Kittery	40	1957	96	6	-	Bedrock	flowed	C	-
219	324-023 : Arthur V. Boyce	Biddeford	20	1961	167	6	-	do.	14.00	D	-
219a	324-023 : do.	do.	20	1961	204	6	-	do.	5-24-62	A	N
220	325-030 : Silliker's Lobster Pound	Arundel	110	-	25	6	-	do.	-	D, C	-
221	327-029 : Superior Auto Parts	do.	120	1959	262	6	-	do.	10	D	-

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well: Location no.	Owner or user	Town	Year completed	Altitude: above sea level (ft.)	Depth of well (feet)	Diameter of well (inches)	Principal water-bearing material: Character	Geologic unit	Level	Water: Date of measurement	Type of pump	Remarks
222	334-028 : Frank S. Prior	Saco	1957	165	Dr	138	6	: Bedrock	30	-	D, S	- : Y 5.
223	333-029 : Harley Seamon, Jr.	do.	1955	150	Dr	123	6	: do.	35	-	D	- : Y 1½.
224	332-023 : Francis Townsend	Old Orchard Beach	1948	40	Dr	200	6	: do.	-	-	D, S	CYL : Y 2. Reported about 100 ft. to bedrock.
225	309-049 : Donald A. Prescott	Eliot	1961	20	Dr	105	6	: Clay	10	-	D	: Y 15. Reported 96 ft. to bedrock.
226	308-044 : John Patten	do.	1959	40	Dr	116	6	: Bedrock	16	-	D	: Y 4. Reported 50 ft. to bedrock.
227	314-048 : South Berwick Water District	Berwick	1961	110	Dr	53	12	: Sand and gravel	1	-	PS	T : L. FCA, T 48 6/29/61. Y 75.
228	314-048 : do.	do.	1961	110	Dr	53	12	: do.	+1.5	-	PS	T : L. FCA, T 48 6/29/61. Y 42.
229	332-025 : Arthur Willey	Saco	1961	100	B	30	6	: Clay	-	-	D	- : Bored for fallout shelter.
230	331-022 : Paradise Park	Old Orchard Beach	1961	45	Dr	72	6	: Bedrock	2	-	D	: Y 40. Reported 32 ft. to bedrock. Camping ground.
231	331-043 : Charles M. Thornton	Waterboro	-	260	Dn	28	1½	: Sand	18	-	D	: C : FCA.
232	324-034 : Forrest Coffron	Kennebunk	-	140	Du	12	-	: do.	-	-	D	: C : Reported clay at 15 ft.
233	- : Stephen Chagman	-	1959	-	Dr	145	-	: Bedrock	-	-	D	- : Y ¾. Did not locate.
234	318-045 : Sidney Hall, Jr.	North Berwick	1948	180	Dr	100	6	: do.	-	-	D, S	J : Y 5.
235	320-037 : Lillian Shanahan	Wells	1948	210	Dr	65	6	: do.	-	-	D	: Y 2. Reported 30 ft. to bedrock.
236	312-034 : Eric Peterson	York	1960	60	Dr	340	6	: do.	26.64	6-19-62	D	N : Y 7½. Not yet in use.
237	312-034 : do.	do.	1960	60	Dr	280	6	: do.	-	-	D	- : Y 3.
238	324-025 : David Wilcox	Kennebunkport	1953	30	Dr	100	6	: do.	-	-	D	- : Y 3.
239	322-029 : L. K. Marshall	Arundel	1948	30	Dr	122	6	: do.	-	-	D, S	- : FCA, Y 1. Reported 10 ft. to bedrock.
240	326-025 : Charles W. Baker, Jr.	Biddeford	1951	80	Du, Dr	53	6	: Sand and gravel	36	-	D	- : Y 30.
242	- : Harry Rowell	-	1951	-	Dr	148	6	: Bedrock	-	-	-	- : Did not locate.
243	328-044 : Richard Foster	Alfred	1947	280	Dr	75	6	: do.	8	-	D	C : Reported 68 ft. to bedrock.
244	328-034 : Frank Kimball	Arundel	1959	180	Dr	130	6	: do.	-	-	-	: Y 3. Reported 75 ft. to bedrock. Contains iron.
245	322-032 : Rogers Fibre Company	Kennebunk	-	20	Dr	201	-	: do.	-	-	A	- : Y 20.
248	333-032 : Leroy L. Betts, Sr.	Buxton	1943	180	Dr	38	6	: do.	-	-	D, S	- : Y 2.
249	333-026 : Alme J. Deyon	Saco	1953	180	Dr	69	6	: do.	20	-	D, S	- : Y 30.
250	332-070 : Lucien Roy	Biddeford	1960	-	Dr	115	6	: do.	flows	-	-	- : Y 20. Not located.
251	332-070 : Charles P. Eaton	do.	1957	-	Dr	113	6	: do.	42	-	D	- : Y ¾. Reported 64 ft. to bedrock. Not located.
252	340-043 : R. R. Cushing	Limington	1952	400	Dr	404	6	: do.	100	-	D	- : Y 1½. Reported 125 ft. to bedrock.
253	- : Harold Emery	do.	1956	-	Dr	267	6	: do.	45	-	D	- : Y 3/4. Reported 98 ft. to bedrock. Not located.
254	- : J. S. Eastham	Newfield	1955	-	Dr	195	6	: do.	25	-	D	- : Y 7. Not located.
255	- : Kenneth Edgcomb	Limington	1949	-	Dr	215	6	: do.	-	-	D	- : Y 15. Not located.
256	331-023 : Mrs. R. E. Ostrander	Old Orchard Beach	1946	100	Dr	63	6	: do.	-	-	D	J : Y 40. Summer cabins.
257	332-023 : Mr. Stover	do.	1957	80	Dr	60	6	: do.	4	-	D	- : Y ¾. Reported 6 ft. to bedrock.
258	332-024 : Alice Arnold	do.	1948	80	Dr	90	-	: do.	flowed	-	D	- : Y 4. Reported 12 ft. to bedrock. Summer cabins.
259	328-024 : L. F. Orr	Saco	1950	20	Dr	88	6	: do.	-	-	D	- : Y 1½. Reported about 67 ft. to bedrock.

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well no.	Location	Owner or user	Town	Year completed	Altitude (ft.)	Depth of well (feet)	Diameter of well (inches)	Principal character	Geologic unit	Level	Date of measurement	Type of pump	Remarks
262	334-024	Alfred E. Ross	Scarboro	1955	130	Dr	101	-	:Bedrock	8	-	D	: Y 20. Actually in Cumberland County.
263	-	Louis A. Beattie	Gorham	1952	-	Dr	130	-	:do.	8	-	D	: Y 1. Not located.
264	-	George W. Stiles, Jr.	do.	1952	-	Dr	140	-	:do.	-	-	D	: Cumberland County.
265	-	Henry Watson	do.	1959	-	Dr	145	-	:do.	-	-	D	: Y 5. Not located.
266	-	Marion Dyer	do.	1959	-	Dr	190	-	:do.	30	-	D	: Cumberland County.
267	-	Edwin Smith	-	1958	-	J	31	-	:Ice-contact deposits	-	-	D	: Y 2½. Not located.
268	-	Harold Morse	-	1957	-	J	28	-	:do.	-	-	D	: Cumberland County.
269	-	Donald Jones	Eliot	1959	-	Dr	85	-	:Bedrock	68	-	D	: Not located. Probably at Bonny Eagle Pond.
270	313-034	Cliff House	York	1939	80	Dr	386	-	:do.	50	-	D	: Not located.
271	313-034	do.	do.	1929	80	Dr	157	-	:do.	50	-	D	: Y 35. Summer hotel.
272	324-033	Esso Standard Oil Company	Kennebunk	1951	110	Dr	200+	-	:Marine	5	-	D,C	: Y 35. Summer hotel.
273	307-048	C. W. Fernald	Eliot	-	60	Du	18	:Clay	:deposits	35	-	D	: C. Filling station.
274	335-033	Mr. Goodier	Hollis	1948	160	Dr	99	-	:Bedrock	11	-	D	: Y 15. Reported 9 ft. to bedrock.
276	336-035	Dr. Richard H. Wallace	do.	1948	170	Dr	147	-	:do.	15	-	D	: Y 5. Reported 16 ft. to bedrock.
277	337-043	Nettie Johnson	Waterboro	1948	350	Dr	120	-	:do.	18	-	D	: Y 8. Reported 40 ft. to bedrock.
278	312-036	James Ritchie	York	1954	130	Dr	65	-	:do.	7	-	D,C	: Y 10. Also used for drive-in restaurant.
279	325-034	Warren Wyman	Kennebunk	-	120	Dr	120	-	:do.	3.12	-	D,S	: Y 18. Bedrock close to surface.
280	324-033	Florence Noury	do.	1961	135	Dr	54	-	:do.	8	-	D,S	: Y 8.
281	325-033	Carl Russell	do.	-	110	Du	10	:Sand	:Outwash	-	-	D	: P
282	325-033	B. H. Nickerson	do.	1950	140	Dr	156	-	:Bedrock	-	-	D	: Reported 24 ft. to bedrock.
283	326-031	George Williamson	Arundel	-	110	Du	9.1	:Clay	:Marine	3.12	-	D	: Y 18. Bedrock close to surface.
284	326-031	Paul Oliver	do.	-	120	Du	18	-	:deposits	-	-	D,S	: Y 8.
285	325-031	Edward A. Birchall	do.	-	90	Du	9.0	:Sand	:Till	3.20	-	D,N	: Y 6. New well.
286	324-031	P. Freeman Welch	do.	-	120	Du	22.2	-	:do.	14.23	-	D	: Never dry.
287	323-030	Melrose Bunnell	do.	-	40	Du	26	:Clay	:Marine	10	-	D	: Y 6. New well.
288	323-031	Mrs. W. H. Whelan	do.	-	80	Du	16	-	:deposits	-	-	D	: Never dry.
289	323-031	do.	do.	1961	70	Dr	206	-	:Outwash	29.57	-	N	: Y 6. New well.
290	322-027	Homer Harrington	Kennebunkport	-	55	Du	7.8	-	:Bedrock	47	-	D,S	: Never dry.
291	322-025	Dr. William Mahoney	do.	-	15	Du	-	:Sand	:Till	-	-	N	: Never dry.
292	321-031	Harry Stevens	Kennebunk	-	30	Dn	55	:Clay and sand	:Marine	-	-	D	: Y 20. Irrigates garden.
293	323-025	V. B. Kneeland	Kennebunkport	1959	15	Dr	225	-	:deposits	-	-	D,Ir	: Y 20. Irrigates garden.
294	322-028	Fred Walker	Arundel	-	45	Du	22	:Sand	:Bedrock	surface	-	D	: Y 20. Irrigates garden.
295	324-026	Ralph Campbell	Kennebunkport	1947	50	Du	36	:do.	:Outwash	5-24-62	-	D	: Y 20. Irrigates garden.
296	325-026	-	do.	-	60	Du	24	:do.	:do.	6.70	-	A	: Y 20. Irrigates garden.

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well location no.	Owner or user	Town	Altitude above sea level, (ft.)	Type of well	Depth of well, (feet)	Principal character of water-bearing material	Geologic unit	Level, (feet)	Water measurement	Type of pump	Remarks
297	Norman Lowell	Biddeford	60	Du	9.0	Sandy clay	Marine deposits	1.50	5-24-62	D, N	N : New well.
298	Roger Bertrand	do.	1960	Dr	62	-	Bedrock	-	-	D	J : Y 4. Reported 4 ft. to bedrock.
299	Roger H. Davis	do.	40	Dr	83	-	do.	-	-	D	J : Y 4. Reported 4 ft. to bedrock.
300	Parsons Farm	Kennebunk	20	Dn	20.0	Sand	Outwash	10.35	5-25-62	Ir	C : Irrigates garden.
301	do.	do.	10	Dn	13.7	do.	Dune sand	10.26	5-25-62	D	N : At house on Parsons Beach. Not in use yet.
302	Landholm Farms	Wells	20	Du	8	Sand and gravel	Fill?	-	-	D	P : Y 3.
303	Charles N. Smith, Jr.	do.	120	Dr	64	-	Bedrock	25	-	D	CYL : Not used frequently. Water rusty.
305	Wells Branch Community House	do.	200	Dr	50	-	do.	4.16	5-25-62	D	N : Y 3.
306	Richard Keezer	Saco	25	Du	9	Sandy clay	Marine deposits	-	-	N	N : Y 3.
307	-	Kennebunk	170	Dn	10.5	-	Outwash	5.80	6-4-62	A	N : Y 3.
308	H. E. Knight	do.	190	Du	16	-	Fill	-	-	D	N : Y 3.
309	Carl St. Clair	do.	190	Du	9	-	do.	4.00	6-4-62	D	N : Not in use at present.
310	Mrs. Charles Nest	do.	165	Du	14.0	-	Ice-contact deposits	6.97	6-4-62	D	-
312	Donat Madone	Arundel	120	Du	14	Sand and gravel	Outwash	near surface	6-4-62	D, S	-
313	L. F. Buzzell	Kennebunk	145	Du	12	Sand	do.	3	-	D	Su
314	G. W. Cochran, Jr.	do.	1959	Dr	133	-	Bedrock	8	-	D	J : Y 30. Reported 40 ft. to bedrock.
315	do.	do.	20	Du	14.3	Sand	Outwash	8.19	-	Ir	Rb : Irrigates small garden.
316	Mrs. E. Brewster Sewall	do.	20	Du	400	-	Bedrock	-	-	D, S	- : Y 33.
317	Mr. Melrose	do.	145	Du, Dr	150	Sand and clay	Outwash, marine deposits	9.65	6-5-62	D	H : Reported drilled to 150 ft. Not to bedrock.
318	Charles Chase and Son	do.	160	Dr	220	-	Bedrock	60	-	C	S : PCA. Y 50+. Reported 80 ft. to bedrock. Berry to processing plant.
319	do.	do.	180	Dn	15	Sand	Outwash	5	-	D	- : PCA.
320	Robert Austin	Sanford	285	Dr	190	-	Bedrock	45	-	D, C	- : Y 6. House and gas station. Reported 70 ft. to bedrock.
321	Forrest Cabana	do.	285	Dr	209	-	do.	-	-	D	- : Y 5. Reported 9 ft. to bedrock.
322	Wilfred Lehoux	do.	210	Dn	12	Sand	Outwash	8	-	D	-
323	do.	do.	210	Du	15	-	do.	11.90	6-5-62	N	N : Y 50. Reported 68 ft. to bedrock.
324	William Buckley	do.	1959	Dr	110	-	Bedrock	-	-	D, S	-
325	Harold S. Goodwin	do.	310	Du	20	-	Fill	5-17	-	D	-
326	John D. Daigle	do.	220	Dn	16	-	Ice-contact deposits	10	-	D	-
327	-	Newfield	440	Du	9.2	-	do.	4.86	6-11-62	D, Ir	- : Used in greenhouse.
328	Arundel Elementary School	Arundel	85	Dr	75	-	Bedrock	-	-	P3	- : PCA. School.
329	-	Shapleigh	400	Du	8.1	-	Ice-contact deposits	5.83	6-11-62	D	- : Summer cottage on Poverty Pond.
330	James Bradburn	Waterboro	440	Dn	15	-	do.	-	-	D	-
331	Harley Cook	Shapleigh	500	Dr	80	-	Bedrock	30	-	D, S	J : Y 4. Reported 16 ft. to bedrock.

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well location no.	Owner or user	Town	Altitude : Year above : com- : pleted :	Type of well :	Depth : of well :	Diameter : of well :	Principal Character :	Geologic unit :	Level :	Water : Date of : measure- : ment :	Type of pump :	Remarks :
332	: 336-053 : O. G. Ross	: Shapleigh	: - : - : - : -	: 530 : Du	: 22.0 :	: 30 :	-	: Till	: 15.19 :	: 6-11-62 :	: D	: Adequate even in periods of drought.
333	: 336-053 : Libby's General Store	:	:	: 530 : Dr	: 103 :	: 6 :	-	: Bedrock	: 20 :	-	: D	: Reported 8 ft. to bedrock.
334	: 333-050 : -	: do.	: -	: 600 : Du	: 14.0 :	: 30 :	-	: Till	: 5.31 :	: 6-11-62 :	: A	: N
335	: 334-050 : Mr. Mann	: do.	: -	: 620 : Du	: 12.8 :	: 36 :	-	: do.	: 5.80 :	: 6-11-62 :	: D	: Rb : Summer house.
336	: 333-050 : Vinton T. Ridley	: do.	: -	: 700 : Dr	: 100 :	: 6 :	-	: Bedrock	: 17 :	-	: D	: - : Y 9.
337	: 333-051 : -	: do.	: -	: 490 : Du	: 14.9 :	: 8 :	-	: Ice-contact	: 9.37 :	: 6-11-62 :	-	: - : Summer cottage at Mousam Lake.
338	: 331-050 : Lawrence Drown	: do.	: -	: 730 : Dr	-	-	-	: deposits	-	-	: D	-
339	: 331-050 : Charles A. Blanchard	: do.	: -	: 620 : Du	: 22 :	: 30 :	-	: Till	: 11 :	-	: D	: H
340	: 332-051 : Memorial School	: do.	: -	: 650 : Dr	: 200 :	: 6 :	-	: Bedrock	-	-	: PS	- : PCA. School well.
342	: 333-057 : Camp Sa-Gis-Ca	: Acton	: -	: 630 : Du	: 11.2 :	: 30 :	-	: Till	: 4.12 :	: 6-12-62 :	: D	- : PCA. Girl Scout Camp.
343	: 331-053 : Dewey Crawford	: do.	: -	: 630 : Dr	: 106 :	: 6 :	-	: Bedrock	: 10 :	-	: D	- : Y 10.
344	: 334-057 : Ronald Crawford	: do.	: -	: 740 : Du	: 32.2 :	: 30 :	-	: Till	: 13.22 :	: 6-12-62 :	: D, S	- : PCA.
345	: 335-054 : Harold Horne	: do.	: -	: 660 : Du	: 22.5 :	: 30 :	-	: do.	: 9.72 :	: 6-12-62 :	: D	: Rb : Goes dry at times.
346	: 336-057 : -	: do.	: -	: 820 : Du	: 12.9 :	: 30 :	-	: do.	: 6.01 :	: 6-12-62 :	: D	- : Summer house.
347	: 334-055 : Charles Stevens	: do.	: -	: 580 : Du	: 15 :	: 2 :	-	: Ice-contact	: 6 :	-	: D	: C
348	: 334-055 : E. L. Pearson	: do.	: -	: 610 : Dr	: 14.5 :	: 6 :	-	: deposits	-	-	: N	: - : Yield too small.
349	: 332-054 : George E. Wylie	: do.	: -	: 690 : Du	: 32 :	: 36 :	-	: Till	: 23.22 :	: 6-12-62 :	: N	: D : Y 18. Reported 31 ft. to bedrock.
350	: 332-054 : Robert G. Benson	: do.	: -	: 690 : Dr	: 96 :	: 6 :	-	: Bedrock	-	-	: D	-
351	: 330-054 : L. A. Beals	: do.	: -	: 600 : Du	: 22 :	: 30 :	-	: Till	-	-	: D, S	- : Has been dry twice.
352	: 329-055 : Victor Mee	: do.	: -	: 760 : Du	: 22.5 :	: 36 :	-	: do.	: 8.65 :	: 6-12-62 :	: D	- : Never dry.
353	: 330-057 : -	: do.	: -	: 510 : Du	: 8.5 :	: 24 :	-	: Ice-contact	: 6.95 :	: 6-12-62 :	: D	: H : Summer cottage.
354	: 333-055 : Harley R. Raitt	: do.	: -	: 590 : Du	: 9.8 :	: 30 :	-	: deposits	-	-	: D	-
355	: 333-057 : John Gibbons	: do.	: -	: 560 : Du	: 6.0 :	: 30 :	-	: do.	: 1.55 :	: 6-13-62 :	: D	: P : PCA. Summer cottage.
357	: 333-052 : -	: Shapleigh	: -	: 530 : Du	: 36.2 :	: 1 1/4 :	-	: Ice-contact	: 2.22 :	: 6-13-62 :	: D	: H : PCA. Summer cottage.
358	: 330-052 : Robert Lovejoy	: Acton	: -	: 520 : Dr	: 120 :	: 6 :	-	: deposits	: 14.67 :	: 6-13-62 :	: N	: N
359	: 332-054 : do.	: do.	: -	: 750 : Dr	: 97 :	: 6 :	-	: do.	-	-	: C	- : Y 100. Used at apple packing plant.
360	: 330-055 : W. H. Thoits	: do.	: -	: 940 : Du	: 21.3 :	: 18 :	-	: Till	: 15 :	-	: D	- : Y 4. 10-12 ft. to bedrock.
361	: 330-055 : do.	: do.	: -	: 940 : Dr	: 240 :	: 6 :	-	: Bedrock	: 8.57 :	: 6-13-62 :	: N	: CYL : Strong iron taste. Probably quite hard.
362	: 329-057 : Acton-Milton Mills Baptist Church	: do.	: -	: 450 : Du	: 10.0 :	: 36 :	-	: Ice-contact	: 6.58 :	: 6-13-62 :	: D	- : PCA.
363	: 329-057 : Blanche Hersom	: do.	: -	: 710 : Dr	: 90 :	: 6 :	-	: deposits	-	-	: D	- : Reported not to bedrock.
364	: 328-056 : Wallace Lee	: do.	: -	: 720 : Dr	: 77 :	: 6 :	-	: do.	-	-	: D	- : Reported not to bedrock.
365	: 328-056 : Allen Kline	: do.	: -	: 580 : Du	: 22.1 :	: 30 :	-	: do.	: 9.44 :	: 6-13-62 :	: D	-
366	: 328-055 : W. I. Doe	: do.	: -	: 560 : Du	: 19.8 :	: 30 :	-	: do.	: 8.72 :	: 6-13-62 :	: S	: CYL : Not used frequently.
366m	: 328-056 : do.	: do.	: -	: 580 : Du	: 31.4 :	: 30 :	-	: do.	: 10.94 :	: 6-13-62 :	: D	-
367	: 328-055 : Marion Fitch, Jane Poor	: do.	: 1949	: 750 : Dr	: 50 :	: 6 :	-	: Bedrock	-	-	: PS	- : PCA. Summer home.
368	: 330-053 : Acton Consolidated School	: do.	: 1959	: 520 : Dr	: 200 :	: 6 :	-	: do.	-	-	: D	- : PCA. School. Y 15.
369	: 325-050 : Robert Ross	: Sanford	: 1960	: 500 : Dr	: 125 :	: 6 :	-	: do.	-	-	: D	: S : Y 5. Reported about 25 ft. to bedrock.
370	: 325-050 : G. Meserve	: Lebanon	: -	: 340 : Du	: 25.4 :	: 30 :	-	: Till	: 15.68 :	: 6-14-62 :	: D, S	: J : Iron reported.
371	: 323-044 : Lebanon Elementary School	: do.	: 1958	: 460 : Dr	: 210 :	: 6 :	-	: Bedrock	-	-	: PS	: J : PCA. School. High in iron.
372	: 323-054 : Howard Blanchard	: do.	: -	: 430 : Du	: 16 :	: 30 :	-	: Till	-	-	: D	-
373	: 324-055 : Howard H. Hanson	: do.	: -	: 440 : Du	: 8 :	: 18 :	-	: do.	: 2 :	-	: D	- : PCA.
374	: 325-057 : Mr. Ferris	: do.	: -	: 540 : Du	: 28.4 :	: 30 :	-	: Ice-contact	: 17.62 :	: 6-14-62 :	: D	- : Summer home.
								: deposits				

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well Location no.	Owner or user	Town	Altitude : above sea level : (ft.)	Depth : of well : (feet)	Diameter : of well : (inches)	Principal water-bearing material : Character	Geologic unit	Level : Date of measurement	Use : of pump	Type : of pump	Remarks
375 : 325-058	Robert S. Malone	Lebanon	420 : 415	Du : Dn	9.7 : 22	36 : 1 1/4	Fill : Ice-contact deposits	2.88 : -	6-14-62 : -	D : D	- : - : PCA. Summer home.
378 : 324-056	Charles W. Randlett	do.	410	Du	18.5	30	do.	13.65	6-14-62	D	- : Bedrock at bottom of well.
379 : 326-056	Lydia Wentworth	do.	430	Du	11.8	36	do.	7.76	6-14-62	D	-
380 : 325-057	do.	do.	415	Dn	29.9	1 1/4	Sand	29.00	6-14-62	N	N : Well obtained essentially no water. Driven to bedrock.
381 : 328-050	Carl and Norman White	Shapleigh	1954 : 700	Dr	129	6	Bedrock	-	-	D, S	J : Y 20. Yield of well has decreased from 20 to about 3.
382 : 327-050	Carpenter's Dairy	Sanford	1941 : 450	Dr	120	6	do.	flows	-	D, S	J : Y 40. Reported 20 ft. to bedrock. Dairy.
383 : 327-050	do.	do.	1959 : 450	Dr	200	6	do.	20	-	S	J : Y 9.
384 : 329-051	Mary Alice DuBois	Shapleigh	-	500 : Du	25 : 30	-	Ice-contact deposits	-	-	D	- : Never dry in 23 years.
385 : 329-050	Charles Boothby	do.	-	490 : Du	9	-	Fill	-	-	D	-
386 : 329-050	Mr. Dowbridge	do.	-	510 : Dr	-	6	Bedrock	-	-	D	-
387 : 329-048	Mabel Stanley	do.	1952 : 550	Dr	90	6	do.	20	Fall -61	D	J : Y 15. Hit water at 176 ft. Reported about 20 ft. to bedrock.
388 : 332-049	Morris Carpenter	do.	-	760 : Du	17.5	120	Fill	4.92	6-15-62	D	- : Never dry.
389 : 333-050	-	do.	-	680 : Du	19.7	48	do.	9.80	6-15-62	N	N
390 : 333-046	Lt. Col. Fisk	Waterboro	-	430 : Dn	15.6	1 1/4	Ice-contact deposits	12.77	6-15-62	D	N : Summer cottage. No pump at time of visit.
391 : 312-035	Homer Wingate	York	1959 : 20	Dr	126	6	Bedrock	-	-	D	- : PCA. Water is brackish.
392 : 312-035	Miss Brush	do.	-	20 : Dr	60	6	do.	-	-	D	- : Summer cottage.
393 : 313-035	Theodore T. Bracy	do.	1957 : 50	Dr	105	6	do.	near surface	12- -61	D	J
394 : 313-034	Mrs. Herbert Poole	do.	1948 : 60	Dr	300	6	do.	-	-	D	- : Y 17.
395 : 313-034	do.	do.	-	60 : Dr	125	6	do.	-	-	N	- : Y 4. Insufficient supply.
396 : 312-036	J. Baldwin	do.	-	160 : Du	17.0	36	Fill	12.49	6-19-62	D	Rb
397 : 313-035	Richard York, Sr.	do.	-	100 : Du	13.8	36	do.	9.65	6-19-62	D	- : Used only in the winter. Dry only once in 28 years.
398 : 313-035	Richard York, Jr.	do.	1961 : 100	Dr	250	6	Bedrock	-	-	D	J : Y 7. Reported water hit at 248 ft.
399 : 312-036	W. A. Moulton	do.	1960 : 140	Dr	212	6	do.	28.37	6-19-62	D	N : Y 15. New well. Not in use yet.
400 : 312-036	A. Douglas Metcalf	do.	1957 : 90	Dr	100	6	do.	-	-	D, C	- : PCA. Home and motel.
402 : 313-037	Frank A. Reiser	do.	-	100 : Du	10	30	Fill	3	-	D	P
403 : 312-037	Robert W. Liston	do.	-	90 : Du	12	30	Marine deposits	-	-	D	- : PCA.
404 : 312-039	R. H. Anderson	do.	-	220 : Dr	78	6	Bedrock	-	-	D	-
405 : 312-039	Kenneth L. Moulton	do.	-	250 : Dr	96	6	do.	-	-	D	J : PCA. Y 2. Has iron taste.
406 : 313-037	E. N. Currier	do.	-	90 : Dr	65	6	do.	16	-	D	- : Y 5.
407 : 313-038	Charles Main	do.	-	130 : Du	6	36	Outwash	3	-	D	-
408 : 313-040	Elmer Moulton	do.	-	240 : Du	60	-	Bedrock	-	-	D	-
409 : 313-040	Edward Proctor	do.	-	240 : Dr	70	6	do.	-	-	D	J
410 : 312-040	Joseph Briley, Jr.	do.	-	230 : Du	28	-	Fill	-	-	D	- : PCA.
411 : 310-039	Mrs. S. S. Buyers	do.	-	180 : Du	15.0	30	Pleistocene beach deposits	12.88	6-20-62	D	Rb : Well goes dry.

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well no.	Location	Owner or user	Town	Year completed	Altitude of sea level, (ft.)	Depth of well, (feet)	Diameter of well, (inches)	Principal water-bearing material	Character of unit	Geologic unit	Level, (feet)	Date of measurement	Type of pump	Remarks
412	310-042	L. W. Hendrickson	York	-	40	Du	10	216	Clay	Marine deposits	4	-	D	J
413	310-044	Capt. Clifford Hermann	do.	-	20	Du	17.1	30-60	do.	do.	12.63	6-20-62	D	-
414	310-037	Pine State Diner	do.	-	50	Dr	139	6	-	Bedrock	22	-	D,C	P
415	311-037	William Matthews	do.	-	60	Dr	75	6	-	do.	-	-	D	-
416	312-036	William Downing	do.	-	180	Dr	102	6	-	do.	-	-	D	-
417	309-038	Mahlon Dore	do.	-	60	Dr	82	6	-	do.	-	-	D	-
419	308-041	W. Pase Bates	do.	1961	40	Dr	225	6	-	do.	8	-	D	J
420	307-040	Carle Brown	do.	1961	80	Dr	184	6	-	do.	12	-	D	J
421	306-039	Mr. Thomas B. Davidson	do.	1946	60	Dr	186	6	-	do.	-	-	D,S	J
422	306-038	do.	do.	1956	30	Dr	-	6	-	do.	-	-	D,S	J
423	305-040	William F. Raynes	Kittery	-	20	Du	11.6	48	-	Fill	6.05	6-21-62	D,S	-
424	305-039	Mrs. Cogswell	do.	-	20	Dr	180	6	-	Bedrock	-	-	D	S
425	304-040	Nels Palm	do.	-	20	Du	11.0	36	-	Fill	5.11	6-21-62	D	P
426	306-042	Wilbur N. Rhodes	do.	-	60	Dr	115	6	-	Bedrock	18	-	D	-
427	308-042	Ileo H. Cain	York	1955	70	Dr	151	8	-	do.	15	-	D	J
428	309-044	Roger E. Shorey	do.	1961	30	Dr	177	6	-	do.	14	-	D	S
429	309-044	Andrew Lebell	do.	1950	90	Dr	180	6	-	do.	18	-	D	J
430	308-045	R. E. McConnell	Eliot	-	90	Dr	128	6	-	do.	30	-	D	-
431	308-045	E. K. Zamarchi	do.	-	80	Dr	142	6	-	do.	32	-	D	-
432	309-045	Mr. Goodwin	do.	-	90	Dr	103	6	-	do.	31.5	-	D	-
433	306-045	Willis Cole	Kittery	-	40	Dr	69	6	-	do.	8	-	D	-
434	309-047	John M. Stewart	Eliot	-	20	Dr	81	6	-	do.	10	-	D	-
435	306-045	N. S. Gamache	Kittery	-	40	Dr	59	6	-	do.	6.5	-	D	-
436	307-045	Fay S. Kane	Eliot	-	50	Dr	92	6	-	do.	10	-	D	-
437	309-044	E. C. Groner, Jr.	York	-	30	Dr	172	6	-	do.	20	-	D	-
438	310-044	L. Kimball	do.	-	15	Dr	120	6	-	do.	8	-	D	-
439	310-044	Mr. Russell	do.	-	15	Dr	100	6	-	do.	flowed	-	D	-
440	307-045	D. R. Wood	Eliot	-	50	Dr	90	6	-	do.	5	-	D	-
441	307-045	D. F. Faulkner	do.	-	50	Dr	95	6	-	do.	5.5	-	D	-
442	306-042	N. Gervais	Kittery	-	60	Dr	75	6	-	do.	11	-	D	-
443	308-041	Roland Sylvester	York	-	40	Dr	120	6	-	do.	12	-	D	-
444	306-045	N. S. Gamache	Kittery	-	40	Dr	52	6	-	do.	8	-	D	-

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well no.	Location	Owner or user	Town	Year completed	Altitude of well (ft.)	Depth of well (feet)	Diameter of well (inches)	Principal Character	Geologic unit	Level	Water measure	Type of use	Remarks
445	308-049	R. M. and M. H. Gardner	Eliot	-	20	Dr	141	6	Bedrock	8.5	-	D	Y 10 $\frac{1}{2}$; ad 67. Reported 90 ft. to bedrock. Summer cottage.
446	307-045	Ralph P. Webber	do.	-	50	Dr	62	6	do.	19	-	D	Y 9; ad 15. Reported 25 ft. to bedrock.
447	308-048	Daniel J. Taylor	do.	-	50	Dr	134	6	do.	20	-	D	Y 12; ad 40. Reported 36 ft. to bedrock.
448	308-046	Mr. Morse	do.	-	70	Dr	50	6	do.	8.5	-	D	Y 20; ad 27. Reported 5 ft. to bedrock.
449	306-041	Mr. Krasny	Kittery	-	50	Dr	72	6	do.	9	-	D	Y 5; ad 56. Reported 4 ft. to bedrock.
450	311-048	John O. Bond	South Berwick	-	40	Dr	140	6	do.	10	-	D	Y 10; ad 25. Reported 100 ft. to bedrock.
451	313-035	Mr. Dick	York	-	100	Dr	55	6	do.	20	-	D	Y 6; ad 28. Bedrock at surface.
452	307-046	Gladys and Mildred Horning	Eliot	-	40	Dr	88	6	do.	22	-	D	Y 8; ad 28. PCA. Reported 32 ft. to bedrock.
454	309-049	Gilbert Johanson	do.	-	15	Dr	128	6	do.	14	-	D	Y 12 $\frac{1}{2}$; ad 26. Reported 65 ft. to bedrock. Summer home.
455	307-040	Mr. St. John	do.	-	50	Dr	125	6	do.	17	-	D,S	Y 3; ad 83. Reported 28 ft. to bedrock.
457	308-046	-	do.	-	90	Du	33.1	30	Sand and gravel	19.98	6-22-62	D	C : Not currently in use.
458	308-049	James Lillis	do.	1961	20	Dr	96	6	deposits	-	-	D	-
459	308-048	Arnold Stodig	do.	1960	50	Du	-	-	Clay	-	-	D	-
460	308-048	Lee Covington	do.	1961	70	Dr	198	6	deposits	-	-	D	J : Y 3.
461	311-048	George Goodrow	South Berwick	-	40	Dr	37	6	Gravel	5	-	D	P
462	311-048	-	do.	-	40	Dr	131	6	Outwash	-	-	D	-
463	311-048	George Goodrow	do.	-	40	Dr	158	6	Bedrock	-	-	D	-
464	308-044	Rylan Rowan	Kittery	-	50	Dr	220	8	Shale	30	-	D,S	S : PCA, Y 20.
465	307-044	R. N. Pearson	do.	-	50	Dr	70	6	do.	10	-	D,S	J : Y 7. Reported 10 ft. to bedrock.
466	309-045	Dorothy Dame	Eliot	-	40	Dr	89	6	do.	-	-	D	J : Y 12. Reported 77 ft. to bedrock.
467	309-045	Kenneth E. Thompson	do.	-	40	Du	9.9	24	Clay	6.60	6-27-62	D	J : PCA.
468	310-046	Mrs. Charles Penrose	do.	-	100	Dr	125	6	deposits	14	-	D	S : PCA, Y 15. Reported 12 ft. to bedrock.
469	309-048	Hodgdon Wool and Die Co.	do.	-	65	Du	22.9	42-84	Clay and sand	7.92	6-27-62	D	- : Also used in machine shop.
470	319-044	Ernest Rand	North Berwick	-	210	Du	24.8	30	Sand	19.40	6-27-62	D	J : PCA.
472	325-046	William Fall	Sanford	1930's	290	Dr	186	6	Outwash	45	-	D,S	CYL : Y 25. Reported 60 ft. to bedrock.
473	325-046	Earle Fall	do.	-	300	Dr	107	6	do.	8	-	D,S	J : Y 7. Reported 8 ft. to bedrock.
474	324-046	Earl Fall	North Berwick	1950	340	Dr	194	6	do.	14	-	D,S	S : Y 6. Reported 14 ft. to bedrock. Yield has decreased.

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well: Location no.:	Owner or user	Town	Altitude: above sea level: (ft.)	Year completed:	Type of well:	Depth: of well: (feet):	Diameter: of well: (inches):	Principal water-bearing material: Character: Geologic unit	Level: Date of measurement:	Type of use:	Remarks
475 : 324-048	Myron Hobbs	North Berwick	530	1959	Dr	310	6	Bedrock	-	D, S	Reported 3 ft. to bedrock.
476 : 325-047	Mr. Doyon	Sanford	580	1912	Dr	198	6	do.	15-20	D, S	Reported approximately 15 ft. to bedrock.
477 : 324-050	George W. Pray	Lebanon	390	-	Du	16.7	30	Ice-contact deposits	13.20	6-28-62	Iron reported.
478 : 324-050	Smith's Garage	do.	390	-	Dr	248	6	Bedrock	35	D	Reported approximately 30 ft. to bedrock.
479 : 324-052	Leona's Restaurant	do.	320	1954	Dr	106	6	do.	-	D, C	PCA. Y 7. Restaurant. Reported 9 ft. to bedrock. Water contaminated by pile of salt.
480 : 323-051	Meador's Nursing Home	do.	280	1959	Dr	220	6	do.	7	D	PCA. Y 6. Iron reported.
481 : 323-051	Donald Meader	do.	280	-	Du	8	30	Sand	4	D	About 5 ft. to bedrock.
482 : 322-052	-	do.	320	-	Du	18.0	30	Thill	10.50	6-28-62	PCA.
483 : 320-058	Riverbrook Camping Area	do.	230	-	Du	12	1 1/2	Outwash	-	N	House recently burned.
484 : 321-055	Brookside Cabins	do.	250	-	Du	5	-	Sand and gravel	-	D, C	PCA. Tenting side.
485 : 320-056	Evergreen Mobil Home Park:	do.	240	1960	Dr	125	6	Bedrock	-	D	PCA. Restaurant and cabins.
486 : 324-052	Robert E. Rand	do.	320	-	Du	15	-	Thill	-	C	PCA. Store.
487 : 324-052	U. S. Post Office	do.	320	-	Du	-	-	do.	-	-	PCA.
488 : 322-046	Rex Cole	North Berwick	220	-	Du	22	30	Ice-contact deposits	-	D	Dug to bedrock; goes dry.
489 : 321-044	Mr. MacCorison	do.	220	-	Du	11.3	24	do.	7.99	6-29-62	Y 4 1/2. Summer cottage.
490 : 321-046	F. A. Merriam	do.	390	1959	Dr	130	6	Bedrock	-	D	Reported 7 ft. to bedrock.
491 : 322-047	John E. Hayes	do.	480	-	Du	34	30	Thill	-	D	PCA.
492 : 320-045	John A. Hitchcock	do.	330	-	Du	22.7	30	do.	14.50	6-29-62	PCA.
493 : 319-046	William Ballou	Lyman	225	1961	Du	17	30	Outwash	-	D, S	Dry twice in 13 years.
495 : 330-035	Robert Cole, Sr.	Dayton	220	-	Dr	220	-	Bedrock	-	D	Y 21.
496 : 333-036	Dan Hill	Hollis	240	-	Du	15	30	Outwash	-	D, S	PCA.
497 : 335-036	Charles W. Moodie	do.	235	-	Du	30	-	do.	-	D	PCA.
498 : 335-036	Mr. Hill	Dayton	280	-	Du	14	-	Ice-contact deposits	-	D, C	PCA. Restaurant, gas station, cabins.
499 : 332-035	Louis Ouellette	do.	250	-	Du	30	-	do.	-	D	PCA.
500 : 335-033	Maurice Moulton	Hollis	160	-	Du	12	-	Thill or marine deposits	-	D	PCA.
501 : 334-037	Lester I. Grant	do.	270	-	Du	16	-	Outwash	-	D	PCA.
502 : 334-035	William Cobb	Dayton	240	-	Du	14	-	do.	-	D	PCA.
503 : 336-033	Wallace Smith	Hollis	200	-	Du	27	-	do.	-	D	PCA.
504 : 336-035	Gene C. Thompson	do.	180	-	Du	14	-	Thill or marine deposits	-	D	PCA.
505 : 337-043	Dot's Beauty Shop	Waterboro	340	-	Du	26	-	Ice-contact deposits	-	D	PCA.
506 : 336-041	Robert Loukola	do.	320	-	Du	15	-	do.	-	D	PCA. Summer cottage.
507 : 334-041	Nellie Emery	do.	300	-	Du	12.0	18	Outwash	7.70	7-10-62	PCA. Y 6.
508 : 334-040	Frank E. Thompson	do.	290	1961	Dr	75	6	Bedrock	7	D	PCA. Y 3. Reported 13 ft. to bedrock.
510 : 336-036	F. W. Anderson	Hollis	200	1956	Dr	93	6	do.	9	D, S	PCA. Summer cottage.
511 : 321-044	Clarence McKay	North Berwick	210	-	Du	15	1 1/4	Ice-contact deposits	-	D	PCA. Summer cottage.

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well no.	Location	Owner or user	Town	Altitude : : above sea : : level : : (ft.) :	Year : : completed :	Depth : : of well : : (feet) :	Diameter : : of well : : (inches) :	Principal water-bearing material : Character : unit :	Geologic unit :	Level : : Date of : : measure- : : ment :	Water of : Use : : pump :	Remarks
512	320-047	Francis Hall	North Berwick	-	1961	210	6	-	: Bedrock	-	: D	- : Iron reported. Reported 7 to 8 ft. to bedrock.
513	320-047	Herbert Hall	do.	420	Du	14.0	30	-	: Fill	9.40	7-11-62: D,S	- : Sometimes goes dry.
514	322-050	Forrest Ricker	do.	320	Du	12.0	30	-	: do.	5.93	7-11-62: D	-
515	323-050	-	do.	360	Du	15.0	24	-	: do.	10.73	7-11-62: N	N
516	314-049	Ray Oullette	Berwick	160	Dr	510	6	-	: Bedrock	-	-	- : Y 2½.
517	318-048	Kenneth Greason	North Berwick	215	Du	12.5	36	Sand	: Outwash	7.45	7-12-62: D	-
518	317-046	Edna S. Thompson	do.	1961	170	Dr	55	-	: Bedrock	-	-	- : FCA. Iron reported.
519	317-046	Earle R. Duckworth	do.	1961	160	Dr	124	6	: do.	-	-	- : Y 12.
520	319-041	Rowland M. Hussey	Wells	160	Du	13.7	48	-	: Marine	11.51	7-12-62: D	C : FCA. Never dry.
521	317-035	Ernest W. Maling	do.	25	Du	15	-	Sand	: deposits	-	-	- : FCA.
522	319-036	Harry Boston	do.	110	Du	14	-	-	: Outwash	9	-	- : FCA.
523	319-037	Earle S. Porter	do.	1950	210	Dr	114	6	: Bedrock	16	-	- : FCA.
524	318-035	Robert Prescott	do.	40	Dn	17	-	Sand	: Outwash	-	-	- : Y 5½. Reported 65 ft. to bedrock.
525	321-037	Robert Bryant	do.	150	Du	14.6	24	Clay	: Marine	10.99	7-20-62: D	- : FCA.
526	321-037	Alton Bryant	do.	155	Du,Dr	-	-	-	: deposits	-	-	-
527	320-036	Edward Lee Coulton	do.	140	Du	15	-	-	: Bedrock	-	-	- : FCA.
528	321-036	Robert F. Melanson	do.	130	Dr	75	6	-	: Fill	-	-	- : FCA.
529	320-037	Kenneth M. Frasier	do.	180	Du	20	-	-	: Bedrock	-	-	- : Iron reported.
531	319-039	Ernest F. Miller	do.	220	Dn	15	1½	Sand	: Ice-contact	-	-	- : FCA.
532	319-037	Kennard Tydol Station	do.	210	Dr	65	6	-	: deposits	10	-	- : Not presently used for domestic purposes.
534	332-026	Robert H. Knox	Saco	1961	140	Dr	88	-	: do.	23.45	7-26-62: D,C	- : Y 3. House and filling station.
535	331-027	Percy L. Palmer	do.	125	Dn	14	-	Sand	: Bedrock	-	-	- : FCA. Y 9. Reported 15 ft. to bedrock.
536	333-028	Ralph Macomber	do.	130	Du	14	-	-	: Outwash	-	-	- : FCA.
537	333-026	Vinton Abbott	do.	1952	160	Dn	15	1½	: Fill	-	-	-
538	333-027	Warren L. Dalyell	do.	140	Dn	15	1½	Sand and gravel	: do.	-	-	- : P
539	335-029	Clifford Berry	do.	160	Du	15	-	Clay	: Marine	-	-	- : FCA.
540	330-024	Paul Emile Boisse	Old Orchard Beach	40	Dn	13	-	Sand	: deposits	-	-	- : FCA. Overnight cabins.
541	332-024	Philip Townsend	do.	1960	60	Dr	230	6	: Outwash	-	-	- : Y ¾. Reported 100 ft. to bedrock. Water too salty to drink.
542	332-024	Leroy Sprague	Saco	60	Dr	200	6	-	: Bedrock	-	-	- : Y 1½.
543	332-023	Francis Townsend	Old Orchard Beach	60	Dr	200	-	-	: do.	-	-	- : Y 3½.
544	335-033	George Erickson	Buxton	180	Du	-	-	-	: do.	-	-	- : Blasted in bedrock. 3 ft. to bedrock.
546	334-030	Herve Thibodeau	Saco	1953	170	Dr	350	6	: do.	-	-	- : FCA. Y 21. Reported 20 ft. to bedrock. Dairy well, also restaurant.
547	334-028	Harry Grant	do.	90	Du	8.0	30	Clay	: Marine	5.28	7-24-62: D,S	-

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well no.	Location	Owner or user	Town	Year completed	Altitude of well (ft.)	Depth of well (feet)	Diameter of well (inches)	Character of water-bearing material	Principal Geologic unit	Level of water (feet)	Date of measurement	Use of pump	Type of pump	Remarks	
548	332-029	Clarence Seamon	Saco	-	130	Du	20	36	Sand	Outwash	10	-	D	P	Never dry.
549	332-031	E. J. Gonneville	Dayton	1961	130	Dr	300	6	-	Bedrock	8	-	D,S	S	Y 12. Reported 4 ft. to bedrock.
550	332-030	Irene Gonneville	Saco	1946	140	Dr	265	6	-	do.	-	-	D,S	-	PCA. Dairy.
551	332-030	Roy Seamon	do.	-	140	Dr	80	6	-	do.	flowed	-	D	-	Bedrock almost immediately.
552	335-035	Charles W. Seaward	Dayton	1961	200	Du	9.0	36	Clay	Marine	1.10	7-24-62	D	N	PCA. New well. Not in use yet.
554	330-043	Ray Graeber	Alfred	-	290	Du	20	-	-	Till	-	-	D	-	PCA.
555	331-043	Charles Foster	Waterboro	1947	250	Dr	212	6	-	Bedrock	20.16	7-25-62	D	P	Y 5. Reported 97 ft. to bedrock.
556	331-046	Rev. Lester C. Holmes	Alfred	1946	500	Dr	130	6	-	do.	-	-	D,S	-	PCA.
557	327-045	Bea's Drive-In	do.	-	340	Dr	66	6	-	do.	-	-	C	-	PCA. Y 6. Restaurant. Has iron taste.
558	327-044	Jerald Spring	do.	1946	260	Du	32	-	-	Ice-contact deposits	-	-	D	-	PCA.
559	328-042	David Porter	do.	-	220	Du	25	-	-	Outwash	-	-	D	-	PCA.
560	328-041	James C. McClellan	do.	1960	300	Dr	134	-	-	Bedrock	-	-	D	-	PCA.
561	327-041	Elwin Morey	do.	1951	290	Dr	58	6	-	do.	-	-	D	J	PCA. Y 10.
562	327-041	Robert E. Liberty	do.	1956	285	Dr	51	6	-	do.	14	-	D	-	Y 7. Reported 14 ft. to bedrock.
563	327-041	Merle Carver	do.	1956	285	Dr	78	-	-	do.	-	-	D	-	Y 10.
564	328-032	William A. Breslin	Arundel	-	100	Dr	90	6	-	Marine	-	-	D	H	Probably not to bedrock.
565	328-031	H. G. Leach	do.	-	140	Du	14	-	-	Till	-	-	D	-	PCA.
566	328-031	Maurice Breault	do.	-	170	Du	20	-	-	do.	-	-	D,C	-	PCA. Filling station.
567	328-030	Joseph D. Angers	Biddeford	-	140	Du	10	-	-	Till or marine	-	-	D	-	PCA.
568	328-030	Edward Legare	do.	-	110	Du	17	-	-	deposits	-	-	D	-	PCA.
569	328-029	Claire's Drive-In	do.	-	140	Du	-	-	-	Ice-contact	9	11-16-61	D	-	PCA. Cabins and restaurant.
570	327-029	Ernest Murgatroid	Arundel	1948	120	Dr	250	-	-	deposits	-	-	D,C	-	PCA. Cabins.
572	327-028	Larry Richardson	do.	1960	140	Dr	165	6	-	Bedrock	-	-	D,S	S	PCA. Y 4½. Reported 90 ft. to bedrock.
573	324-031	William Fountain	do.	-	85	Du	16	-	-	Outwash or marine	-	-	D	-	PCA.
574	325-030	Delmar Brown	do.	-	140	Du	12	-	-	deposits	-	-	D,C	-	PCA. Cabin camp.
575	326-030	Arundel Roller Rink	do.	1960	160	Dr	200	6	-	Bedrock	-	-	D,C	-	PCA. Roller skating rink.
576	327-029	Jack Lamb	Biddeford	1940	130	Dr	89	6	-	do.	-	-	D,C	-	PCA. Overnight cabins.
577	327-026	Louis Daigle	do.	-	120	Du	20	-	-	Till	-	-	D,S	-	PCA. Dairy.
578	326-024	Lester Curtis	do.	-	50	Du	12	-	-	Marine	-	-	D,S	-	PCA.
579	324-023	Henry F. Fessenden	do.	1961	10	Dr	95	6	-	deposits	-	-	D	-	PCA.
580	325-027	Joseph A. Bergeron	Kennebunkport	-	65	Du	25	30	Sand and gravel	Outwash	15	-	D	H	PCA.
581	326-025	Walter Nason, Jr.	Biddeford	-	70	Du	25	-	-	do.	-	-	D	-	PCA. Went dry in 10-61.
582	325-024	Elmer A. Davis	do.	1958	40	Dr	87	6	-	Bedrock	-	-	D	-	PCA.
584	321-027	Mrs. Kenneth Roberts	Kennebunkport	-	40	Du	10	-	-	Marine	-	-	D	-	PCA.

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well: Location no.:	Owner or user	Town	Year completed:	Altitude: ft.:	Depth: of well: (feet):	Diameter: of well: (inches):	Principal water-bearing material: Character:	Geologic unit:	Level: Date of measurement:	Water measure: ment:	Use: of pump:	Remarks
585	William Dickerson	Wells	1957	210	Du	12	36	Ice-contact deposits	-	-	D	P
586	318-039: Doris Keeping	do.	-	200	Du	13.2	30	do.	11.75	7-26-52:	D	Rb
587	318-039: P. R. Boston	do.	-	195	Dn	1 1/4	do.	do.	5	-	D	P
588	334-040: E. Waterboro School	Waterboro	1950	290	Dr	250	Bedrock	do.	-	-	FS	-
589	332-042: South Waterboro School	do.	1952	270	Dr	200	do.	do.	-	-	FS	-
590	330-035: Cousens Memorial School	Lyman	1940	210	Du	14	Sand	Ice-contact deposits	-	-	FS	-
591	331-041: Camp Norehoco	do.	1956	-	Dr	250	do.	do.	-	-	FS	-
592	317-040: Merri-dot Mobile Park	Berwick	1956	200	Dr	135	do.	do.	-	-	FS	-
593	317-047: Beaver Dam Grange	North Berwick	1910	200	Du	9	Till	do.	-	-	FS	-
594	318-041: Leon W. Goodwin	Wells	-	190	Du	14	Clay	Marine deposits	-	-	D	-
595	327-019: Wood Island Light House Station	Biddeford	1957	20	Dr	575	do.	do.	-	-	D	-
596	332-035: Dayton School	Dayton	1951	250	Dr	100	do.	do.	-	-	FS	-
597	339-039: Henry Meserve	Hollis	1959	290	Dn	23	Sand	Outwash	-	-	D	-
598	310-048: King Tut's Snack Bar	Elliot	1958	60	Du	20	do.	Outwash and/or marine deposits	-	-	C	-
599	308-045: Frank Sargent	do.	1949	80	Dr	100	do.	do.	-	-	D	-
600	308-048: Lee G. Covington	do.	-	60	Du	40	do.	do.	-	-	N	N
601	336-035: Frank E. Clark	Hollis	-	160	Dr	186	do.	do.	-	-	D	-
602	336-032: Frank H. Vail	Buxton	-	250	Dn	40	Sand and gravel	Outwash	-	-	D, C	-
603	326-034: Horace C. Levinson	Arundel	-	160	Du	23	Sand	do.	-	-	D	-
604	324-033: Pine Cone Motel	Kennebunk	-	120	Du	15	do.	do.	-	-	D, C	-
605	324-025: Emma's Clock Farm	Kennebunkport	-	20	Du, Dr	40	do.	do.	-	-	D	-
606	306-040: Mrs. Arthur M. Payne	Kittery	1961	50	Dr	65	do.	do.	-	-	D	-
607	333-042: Ronald Dyer	Waterboro	1959	320	Dr	200	do.	do.	-	-	D	-
608	332-042: Harold Kimball	do.	-	270	Dn	23	do.	do.	-	-	D	-
609	332-042: Holmes Convalescent Home	do.	-	270	Dn	18	do.	do.	-	-	D	-
610	335-042: Paul Hanna	do.	-	320	Dn	18	do.	do.	-	-	D	-
611	324-044: Hawthorne School	Sanford	-	285	Dr	176	do.	do.	-	-	FS	-
612	321-039: Sanford Health Farm	Wells	-	200	Dr	-	do.	do.	-	-	D	-
613	318-039: Daniel R. Dickerson	do.	1960	200	Du	12	do.	do.	-	-	D	-
614	319-037: -	do.	-	160	Du	17	White sand	Outwash	-	-	D	-
616	338-035: Frank H. Jewett, II	Buxton	-	230	Dr	75	do.	do.	-	-	-	-
617	348-048: J. P. Small	Cornish	-	370	Du	23.6	Sand	Outwash	-	-	O	N
618	308-048: Elliot Water District	Elliot	1957	45	J	29	-	-	-	-	N, T	-

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well: Location no.:	Owner or user	Town	Altitude: Year above: com-: pleved: level: well: (ft.):	Type of: of: well: of: (feet): (inches):	Principal Character: Geologic unit	Water Level: Date of: measure-: ment	Type of: Use of: pump	Remarks
619 : 308-048	Elliott Water District	Elliott	1957 : 40 : J	21 : 3	-	-	N.T.	- : L.
620 : 308-048	do.	do.	1957 : 40 : J	26 : 3	-	-	N.T.	- : L.
621 : 307-047	do.	do.	1957 : 80 : J	26 : 3	-	ground: 5-13-57: level:	N.T.	- : L. Y 3.
622 : 308-045	do.	do.	1957 : 50 : J	17 : 3	-	-	N.T.	- : L.
623 : 308-045	do.	do.	1957 : 40 : J	34 : 3	-	-	N.T.	- : L.
624 : 306-046	do.	do.	1957 : 40 : J	45 : 3	-	-	N.T.	- : L.
625 : 307-045	do.	do.	1957 : 60 : J	38 : 3	-	-	N.T.	- : L.
626 : 308-045	do.	do.	1957 : 50 : J	30 : 3	+1	-	N.T.	- : L. Y 10.
627 : 308-045	do.	do.	1957 : 50 : J	32 : 3	-	ground: level:	N.T.	- : L. Y 6.
628 : 310-048	do.	do.	1957 : 20 : J	69 : 3	-	flowed:	N.T.	- : L. Y 7. Flowed 4 gpm 2 ft. above ground.
629 : 310-048	do.	do.	1957 : 50 : J	27 : 3	-	-	N.T.	- : L.
630 : 310-047	do.	do.	1957 : 100 : J	41 : 3	-	5	N.T.	- : L. Y 3.
631 : 308-044	do.	do.	1957 : 50 : J	38 : 3	-	-	N.T.	- : L.
632 : 308-044	do.	do.	1957 : 40 : J	36 : 3	-	8	N.T.	- : L. Y 25.
633 : 308-044	do.	do.	1957 : 40 : J	17 : 3	-	-	N.T.	- : L.
634 : 314-047	South Berwick Water Dist.:	South Berwick	1953 : 110 : J	40 : 3	-	-	N.T.	- : L.
635 : 313-047	do.	do.	1953 : 120 : J	20 : 3	-	-	N.T.	- : L.
636 : 314-047	do.	do.	1953 : 110 : J	65 : 3	-	-	N.T.	- : L. Y 5.
637 : 314-048	do.	do.	1953 : 100 : J	16 : 3	-	-	N.T.	- : L.
638 : 313-047	do.	do.	1953 : 90 : J	65 : 3	-	ground: level:	N.T.	- : L. Y 4.
639 : 313-047	do.	do.	1953 : 100 : J	25 : 3	-	-	N.T.	- : L.
640 : 313-046	do.	do.	1960 : 100 : J	72 : 3	-	-	N.T.	- : L.
641 : 313-046	do.	do.	1960 : 100 : J	28 : 3	-	-	N.T.	- : L.
642 : 314-046	do.	do.	1960 : 100 : J	39 : 3	-	-	N.T.	- : L.
643 : 314-046	do.	do.	1960 : 110 : J	46 : 3	-	-	N.T.	- : L. Y 2.
644 : 314-046	do.	do.	1960 : 110 : J	57 : 3	-	-	N.T.	- : L.
645 : 314-046	do.	do.	1960 : 80 : J	54 : 3	-	-	N.T.	- : L.
646 : 314-048	do.	do.	1960 : 110 : J	28 : 3	-	-	N.T.	- : L.
647 : 314-046	do.	do.	1960 : 90 : J	58 : 3	-	-	N.T.	- : L.
648 : 315-046	do.	do.	1960 : 95 : J	62 : 3	-	-	N.T.	- : L.
649 : 314-045	do.	do.	1960 : 100 : J	20 : 3	-	-	N.T.	- : L.
650 : 314-045	do.	do.	1960 : 100 : J	26 : 3	-	-	N.T.	- : L.
651 : 314-045	do.	do.	1960 : 100 : J	42 : 3	-	-	N.T.	- : L.
652 : 314-046	do.	do.	1960 : 100 : J	64 : 3	-	-	N.T.	- : L.
653 : 315-044	do.	do.	1960 : 150 : J	33 : 3	-	-	N.T.	- : L.
654 : 314-048	do.	do.	1960 : 100 : J	43 : 3	-	-	N.T.	- : L.
655 : 319-052	Berwick Department District	Berwick	1947 : 220 : J	70 : 3	-	6	N.T.	- : L.
656 : 315-048	South Berwick Water District	do.	1960 : 120 : J	64 : 3	-	-	N.T.	- : L.
657 : 314-048	do.	do.	1960 : 120 : J	21 : 3	-	-	N.T.	- : L.
658 : 306-044	Maine Turnpike Authority	Kittery	1946 : 2.6 : J	28 : -	-	-	N	- : Test boring for Maine Turnpike. L.
659 : 308-041	do.	York	1946 : 9.4 : J	85 : -	-	-	N	- : Test boring for Maine Turnpike. L.
660 : 308-042	do.	do.	1946 : 35.9 : J	15 : -	-	-	N	- : Test boring for Maine Turnpike. L.
661 : 317-036	do.	Wells	1946 : 136.9 : J	20 : -	-	-	N	- : Test boring for Maine Turnpike. L.

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well location no.	Owner or user	Town	Altitude : above sea level : (ft.)	Year completed	Type of well	Depth : of well : (feet)	Diameter : of well : (inches)	Principal Character	Geologic unit	Level : Date of measure-	Water : of use : measure-	Type of pump	Remarks
662	Maine Turnpike Authority	Wells	133.9	1946	J	14	-	-	-	-	-	-	: Test boring for Maine Turnpike. L.
663	do.	do.	92.6	1946	J	32	-	-	-	-	-	-	: Test boring for Maine Turnpike. L.
664	Kennebunk	do.	80.3	1946	J	103	-	-	-	-	-	-	: Test boring for Maine Turnpike. L.
665	do.	do.	119.3	1946	J	17	-	-	-	-	-	-	: Test boring for Maine Turnpike. L.
666	do.	do.	77.1	1946	J	34	-	-	-	-	-	-	: Test boring for Maine Turnpike. L.
667	do.	do.	50.3	1946	J	61.7	-	-	-	-	-	-	: Test boring for Maine Turnpike. L.
668	Arundel	do.	56.7	1946	J	100	-	-	-	-	-	-	: Test boring for Maine Turnpike. L.
669	do.	do.	106.5	1946	J	74	-	-	-	-	-	-	: Test boring for Maine Turnpike. L.
670	do.	do.	126.1	1946	J	11	-	-	-	-	-	-	: Test boring for Maine Turnpike. L.
671	Biddeford	do.	90.5	1946	J	77	-	-	-	-	-	-	: Test boring for Maine Turnpike. L.
672	do.	do.	86.4	1946	J	27	-	-	-	-	-	-	: Test boring for Maine Turnpike. L.
673	do.	do.	55.8	1946	J	92	-	-	-	-	-	-	: Test boring for Maine Turnpike. L.
674	Saco	do.	56.1	1946	J	34	-	-	-	-	-	-	: Test boring for Maine Turnpike. L.
675	do.	do.	67.1	1946	J	59	-	-	-	-	-	-	: Test boring for Maine Turnpike. L.
676	do.	do.	118.5	1946	J	108	-	-	-	-	-	-	: Test boring for Maine Turnpike. L.
677	do.	do.	116.5	1946	J	43	-	-	-	-	-	-	: Test boring for Maine Turnpike. L.
678	Biddeford	do.	66.0	1946	J	25	-	-	-	-	-	-	: Test boring for Maine Turnpike. L.
679	Saco	do.	110.3	1946	J	17	-	-	-	-	-	-	: Test boring for Maine Turnpike. L.
680	State Highway Commission	Old Orchard Beach	0	-	J	62	-	-	-	-	-	-	: Test boring by State Highway Commission. L.
681	do.	York	-10	1955	J	77	-	-	-	-	-	-	: Test boring by State Highway Commission. L.
682	do.	do.	3.8	1955	J	84	-	-	-	-	-	-	: Test boring by State Highway Commission. L.
683	do.	do.	3.8	1955	J	23	-	-	-	-	-	-	: Test boring by State Highway Commission. L.
684	do.	South Berwick	81.7	1954	J	37	-	-	-	-	-	-	: Test boring by State Highway Commission. L.
685	do.	Sanford	237	1956	J	67	-	-	-	-	-	-	: Test boring by State Highway Commission. L.
686	do.	Biddeford	118.9	1946	J	70	-	-	-	-	-	-	: Test boring by State Highway Commission. L.
687	do.	Alfred	219.5	-	J	36	-	-	-	-	-	-	: Test boring by State Highway Commission. L.
688	do.	North Berwick	148	-	J	36	-	-	-	-	-	-	: Test boring by State Highway Commission. L.

Table 3.--Records of selected springs in southwestern Maine

Spring no: For explanation of spring-numbering system, see text.
 Location: For explanation of spring-location system, see text.
 Altitude above sea level: Altitudes of springs are interpolated
 from topographic maps and are probably accurate to within
 10 feet. Datum is mean sea level.

Water use: C, commercial or industrial; D, domestic;
 PS, public supply; S, livestock (including chickens).
 Remarks: C, chemical analysis in table 5; PCA, partial
 chemical analysis in table 6; T, temperature in
 degrees Fahrenheit; Y, yield in gallons per minute.

Spring no.	Location	Owner or user	Town	Altitude: above sea level (ft.)	Principal water-bearing material Character	Geologic unit	Improvements	Water: use	Remarks
1	338-028	William Cousins	Buxton	130	-	Marine	4 x 10 concrete reservoir.	D,S	Good supply.
15a	339-040	Austin W. Smith	Hollis	275	Sand and gravel	Ice-contact	Concrete tile.	D	
17	329-035	Mrs. C. A. Tibbetts	Lyman	160	do.	Outwash	-	D	Serves 2 houses.
18	329-034	Frederick Elwell	do.	140	Sand	do.	4 x 4 wooden box. 4 feet deep.	D,S	
23	329-041	Harland Drown	Alfred	255	do.	Till	20-inch tile--full to overflowing.	D	A "boiling spring".
32	317-049	William Hunt	Berwick	200	do.	do.	8 feet deep. Rocked-up well.	D,S	Serves 2 houses.
34	316-048	Hartley Emery, Sr.	do.	160	do.	do.	5-foot diameter concrete tank.	D,S	Serves 2 houses.
67	330-034	Ben Goodwin	Dayton	120	do.	Outwash	Bricked up. 4 feet in diameter.	D	A "boiling spring".
91	340-031	Alan Hague	Buxton	235	Clay	Marine	Tile casing.	D,S	Formerly served 5 houses.
98	337-030	Roger Carll	do.	200	Sand	Till	Tile casing.	D	
108	330-041	Camp Cherith	Lyman	360	-	do.	9 x 12 concrete reservoir.	D	Summer camp.
139	306-046	Kittery Water District	Eliot	70	Sand and gravel	Pleistocene beach	Concrete tile	PS	Cattle spring.
158	311-044	Maud Muller Spring	York	60	Sand	do.	Concrete tile	D	C. Y 18, June 16, 1961.
162	320-055	R. F. Phillips	Lebanon	220	do.	Outwash	Tile.	D	
188	315-043	Joseph W. Rodier	South Berwick	100	do.	do.	9 x 9 concrete tank, about 6 feet deep.	D,S	
211	327-036	Jack Ketchum	Kennebunk	160	Clay	Marine	Tile	D,S	
304	322-037	Waldo Chick	Wells	160	Sand	Outwash	30-inch tile, about 16 feet deep.	D,S	
311	327-035	Earl Walker	Arundel	90	Clay	Marine	Tile, about 6 feet deep.	D,S	Serves 3 houses.
341	329-049	Guay's Hideaway	Shapleigh	450	Sand and gravel	Till	36-inch tile.	D,C	T 44.5 June 11, 1962.
356	332-056	Dan B. Casey	Acton	590	do.	Ice-contact	36-inch tile, 6 feet deep.	D	PCA.
376	325-058	George Horton	Lebanon	440	do.	do.	30-inch tile.	D	Iron taste.
418	308-041	Robert Moulton	York	50	Clay	Marine	2 x 3 foot board frame.	D	Not in use yet.
471	325-046	W. R. Bucklin	Sanford	320	Sand and gravel	Ice-contact	30-inch tile.	D	
494	326-043	Highway Commission	Alfred	230	do.	do.	Cement tile.	D	T 45 June 29, 1962.
509	336-037	Don E. Merchant	Hollis	200	Clay	Marine	30-inch tile, about 3 feet deep.	D	Iron reported.
530	320-038	Lloyd R. Call	Wells	180	Sand	Ice-contact	Tile	D	PCA.
533	318-041	Burton G. Dodge	do.	190	Gravel	Till	Tile	D,S	
545	329-025	Seal Rock Spring	Saco	60	-	-	7 x 15 concrete tank, 7 feet deep.	C	Bottling company.
553	332-034	Boiling Spring	Dayton	160	Sand	Premarine	Pool about 30 feet in diameter. No improvements.	S	Y 50-75 estimated.
571	327-029	Hirst Mitchell	Biddeford	120	Clay	Marine	-	D,C	PCA. Overnight cabins.
583	323-028	Forefathers Inn	Arundel	40	Sand	Outwash	-	D,C	PCA. Restaurant.
615	338-035	Frank Jewett, II	Buxton	260	do.	Ice-contact	-	D,S	PCA.

Table 4.--Drillers' logs of selected wells and test holes in southwestern Maine
(Thicknesses and depths below land-surface are given in feet)

	Thick- ness	Depth		Thick- ness	Depth		Thick- ness	Depth
140. Alt. about 140 ft. Log of well for Kittery Water District.			626. Alt. about 50 ft. Log of test boring for Eliot Water District.			636. Alt. about 110 ft. Log of test boring for South Berwick Water District.		
Marine deposits:			Marine deposits:			Outwash:		
Fine sand and clay.....	21	21	Gray clay.....	14	14	Fine brown sand.....	35	35
Till?:			Till?:			Marine deposits:		
Sand and gravel.....	17	38	Clay, sand, scattered gravel.	6	20	Blue sandy clay.....	18	53
Sand, gravel, and clay, mixed.	12	50	Fine sand, small gravel.....	4.5	24.5	Till?:		
Bedrock.....		at 50	Fine sand, flat gravel.....	5.5	30	Tight gravel and clay.....	12	65
			Refusal.....		at 30			
227. Alt. about 110 ft. Log of well for South Berwick Water Dist.			627. Alt. about 50 ft. Log of test boring for Eliot Water District.			637. Alt. about 100 ft. Log of test boring for South Berwick Water District.		
Marine deposits:			Marine deposits:			Outwash:		
Loam.....	2	2	Clay.....	16	16	Fine sand.....	6	6
Soft gray clay.....	33	35	Till?:			Marine deposits:		
Premarine stratified deposits?:			Clay, sand, dark gravel.....	8	24	Blue clay.....	10	16
Fine to medium gray sand.....	15	50	Fine gray sand, dark flat gravel.....	7.5	31.5	Refusal.....		at 16
Medium gray sand, gravel, and some clay.....	3	53	Refusal.....		at 31.5			
228. Alt. about 110 ft. Log of well for South Berwick Water Dist.			628. Alt. about 20 ft. Log of test boring for Eliot Water District.			638. Alt. about 90 ft. Log of test boring for South Berwick Water District.		
Outwash:			Marine deposits:			Marine deposits:		
Loam.....	2	2	Loam and clay.....	1	1	Brown clay.....	20	20
Fine brown sand.....	7	9	Hard gray clay.....	24	25	Blue clay.....	25	45
Marine deposits:			Silty gray clay.....	40	65	Blue sand and clay.....	20	65
Soft gray clay.....	28	37	Till?:					
Premarine stratified deposits?:			Fine sand and sharp gravel...	4	69	639. Alt. about 100 ft. Log of test boring for South Berwick Water District.		
Fine to medium gray sand,			Refusal.....		at 69	Marine deposits:		
some gravel.....	13	50				Brown clay.....	6	6
Medium sand, gravel, and clay.	3	53	629. Alt. about 50 ft. Log of test boring for Eliot Water District.			Blue clay.....	19	25
618. Alt. about 45 ft. Log of test boring for Eliot Water District.			Marine deposits:			Refusal.....		at 25
Marine deposits:			Soft gray clay.....	18	18			
Hard firm clay.....	20	20	Till:			640. Alt. about 100 ft. Log of test boring for South Berwick Water District.		
Till?:			Hard clay and sharp gravel...	9	27	Marine deposits:		
Clay, sand, dark gravel.....	9	29	Refusal.....		at 27	Hard gray clay.....	6	6
Refusal.....		at 29				Soft gray clay.....	61	67
619. Alt. about 40 ft. Log of test boring for Eliot Water District.			630. Alt. about 100 ft. Log of test boring for Eliot Water District.			Till:		
Marine deposits:			Marine deposits:			Clay and sharp gravel.....	5	72
Clay.....	16	16	Loam and clay.....	2	2			
Till?:			Hard gray clay.....	20	22	641. Alt. about 100 ft. Log of test boring for South Berwick Water District.		
Clay, sand, dark gravel.....	5	21	Silty brown sand.....	5	27	Outwash:		
Refusal.....		at 21	Till?:			Medium brown sand.....	15	15
			Fine gray sand, sharp gravel, and boulders.....	14	41	Marine deposits:		
620. Alt. about 40 ft. Log of test boring for Eliot Water District.						Soft gray clay.....	12	27
Marine deposits:			631. Alt. about 50 ft. Log of test boring for Eliot Water District.			Till:		
Hard firm clay.....	20	20	Pleistocene beach deposits?:			Hard clay and sharp gravel...	1	28
Till?:			Sand and gravel.....	6	6			
Gray sand, dark flat gravel...	4	24	Marine deposits:			642. Alt. about 100 ft. Log of test boring for South Berwick Water District.		
Sand, clay, and dark flat gravel.....	2	26	Soft gray clay.....	9	15	Outwash:		
Refusal.....		at 26	Till:			Fine brown sand.....	6	6
			Hard packed gray sand, gravel and boulders.....	29	34	Marine deposits:		
621. Alt. about 80 ft. Log of test boring for Eliot Water District.			Hardpan.....	4	38	Soft gray clay.....	16	22
Till?:						Till:		
Fine brown sand.....	18	18	632. Alt. about 40 ft. Log of test boring for Eliot Water District.			Hard gray clay and sharp gravel.....	17	39
Clay, sand, dark gravel.....	4	22	Pleistocene beach deposits:					
Black sand, sharp gravel.....	4.5	26.5	Sand and gravel.....	8	8	643. Alt. about 110 ft. Log of test boring for South Berwick Water District.		
Refusal.....		at 26.5	Marine deposits:			Outwash:		
			Soft blue clay.....	6	14	Fine brown sand.....	2	2
622. Alt. about 50 ft. Log of test boring for Eliot Water District.			Sand and gravel.....	4	18	Marine deposits:		
Till:			Soft blue clay.....	12	30	Hard clay.....	15	17
Fine sand and gravel.....	6	6	Till?:			Soft clay.....	9	26
Boulders and hardpan.....	11	17	Gray sand and gravel, traces of clay.....	6	36	Fine gray sand.....	5	31
Refusal.....		at 17				Till:		
			633. Alt. about 40 ft. Log of test boring for Eliot Water District.			Hard clay and sharp gravel...	15	46
623. Alt. about 40 ft. Log of test boring for Eliot Water District.			Marine deposits:					
Marine deposits:			Hard gray clay.....	17	17			
Firm clay.....	20	20	Refusal.....		at 17			
Till?:								
Clay, sand, scattered gravel..	8	28	634. Alt. about 110 ft. Log of test boring for South Berwick Water District.			644. Alt. about 110 ft. Log of test boring for South Berwick Water District.		
Silty clay, sand.....	5.5	33.5	Marine deposits:			Swamp deposits:		
Refusal.....		at 33.5	Hard clay.....	20	20	Peat.....	1	1
			Till?:			Outwash:		
624. Alt. about 40 ft. Log of test boring for Eliot Water District.			Dirty sand.....	12	32	Brown sand.....	3	4
Marine deposits:			Sand and clay.....	8	40	Marine deposits:		
Hard gray clay.....	16	16	Refusal.....		at 40	Firm gray clay.....	13	17
Blue clay.....	24	40				Soft gray clay.....	14	31
Till:			635. Alt. about 120 ft. Log of test boring for South Berwick Water District.			Marine deposits and till:		
Silty clay, small sharp gravel	5	45	Pleistocene beach deposits and			Soft gray clay and sharp gravel.....	22	53
Refusal.....		at 45	Marine deposits:			Silt.....	4	57
			Brown sand and clay.....	20	20			
625. Alt. about 60 ft. Log of test boring for Eliot Water District.			Refusal.....		at 20			
Marine deposits:								
Gray hard clay.....	16	16						
Till:								
Gray, small sharp gravel.....	8	24						
Clay, sand, and dark gravel...	7	31						
Clay and small dark gravel...	7.5	38.5						
Refusal.....		at 38.5						

Table 4.--Drillers' logs of selected wells and test holes in southwestern Maine--Continued

	Thick- ness	Depth		Thick- ness	Depth		Thick- ness	Depth
645. Alt. about 80 ft. Log of test boring for South Berwick Water District.			655. Alt. about 220 ft. Log of test boring for Berwick Water Department.			663. Alt. 92.6 ft. Log of test boring for Maine Turnpike Authority for Merrilland River Bridge.		
Outwash:			Ice-contact deposits:			Alluvium and marine deposits:		
Fine gray sand.....	4	4	Coarse sand.....	15	15	Sand and clay.....	5	5
Marine deposits:			Coarse sand and gravel (a little iron).....	15	30	Fine gravel and clay.....	5.5	10.5
Soft yellow clay.....	8	12	Coarse gray sand (no iron)...	5	35	Marine deposits:		
Till:			Coarse gray sand (some silt)...	5	40	Soft blue clay.....	16.5	27
Hard gray clay and sharp gravel.....	42	54	Coarse brown sand and gravel (no iron).....	5	45	Till:		
			Medium light-gray sand and gravel (some silt in bottom).....	15	60	Gravel and clay.....	5	32
646. Alt. about 110 ft. Log of test boring for South Berwick Water District.			Layers of fine to coarse gray sand.....	10	70	Rock.....		at 32
Outwash:						664. Alt. 80.3 ft. Log of test boring for Maine Turnpike Authority at McGuire Road, Kennebunk.		
Brown sand and gravel.....	13	13	656. Alt. about 120 ft. Log of test boring for South Berwick Water District.			Outwash:		
Till:			Outwash and marine deposits:			Medium sand.....	11	11
Hard clay and sharp gravel....	15	28	Loam.....	2	2	Broken rock.....	1	12
647. Alt. about 90 ft. Log of test boring for South Berwick Water District.			Silty yellow sand and clay...	18	20	Marine deposits:		
Marine deposits:			Marine deposits:			Fine sand and clay.....	5	17
Sand and clay.....	6	6	Fine gray sand.....	15	35	Very fine sand and clay....	13	30
Firm clay.....	33	39	Fine gray sand with strips of soft gray clay.....	15	50	Clay and small amount of medium sand.....	10	40
Soft gray clay.....	17	56	Soft gray clay.....	11	61	Clay and medium sand, very soft.....	10	50
Till:			Fine gray sand and clay.....	3	64	Clay and very fine sand, very soft.....	10	60
Silt and sharp gravel.....	2	58				Soft clay.....	10	70
648. Alt. about 95 ft. Log of test boring for South Berwick Water District.			657. Alt. about 120 ft. Log of test boring for South Berwick Water District.			Soft clay, forcing water up jet.....	10	80
Marine deposits:			Marine deposits:			Very soft clay.....	18	98
Loam and clay.....	1	1	Loam.....	2	2	Clay and fine sand.....	3	101
Firm clay.....	26	27	Soft gray clay.....	17	19	Till:		
Silt and clay.....	35	62	Till:			Hardpan.....	2	103
649. Alt. about 100 ft. Log of test boring for South Berwick Water District.			Hardpan.....	2	21			
Till:			658. Alt. 2.6 ft. Log of test boring for Maine Turnpike Authority for Spruce Creek Bridge.			665. Alt. 119.3 ft. Log of test boring for Maine Turnpike Authority at Route 35, Kennebunk.		
Sand, gravel, and boulders....	17	17	Marine deposits:			Outwash:		
Hardpan.....	3.5	20.5	Soft clay.....	6.5	6.5	Coarse sand.....	7	7
650. Alt. about 100 ft. Log of test boring for South Berwick Water District.			Clay and fine sand.....	9	15.5	Till:		
Till:			Soft gray clay.....	12	27.5	Dense packed sand and clay..	8	15
Brown sand and gravel.....	12	12	Till:			Hardpan.....	1	16
Hardpan.....	14	26	Hard packed clay and gravel..	1	28.5	Refusal.....	1	17
651. Alt. about 100 ft. Log of test boring for South Berwick Water District.			659. Alt. 9.4 ft. Log of test boring for Maine Turnpike Authority for York River Bridge.			666. Alt. 77.1 ft. Log of test boring for Maine Turnpike Authority at South end of Mousam River Bridge.		
Outwash:			Marine deposits:			Alluvium:		
Brown sand.....	10	10	Silty clay.....	5	5	Fine sand.....	6	6
Marine deposits:			Silty clay with humus.....	5	10	Yellow clay and silt.....	1	7
Soft gray clay.....	13	23	Brownish yellow clay.....	3	13	Marine deposits:		
Till:			Marine clay.....	51.2	64.2	Blue clay.....	8	15
Fine gray sand and sharp gravel.....	11	34	Till:			Clay and fine sand.....	12	27
Hard gray clay.....	8	42	Clay and fine gravel.....	10	74.2	Soft clay.....	7	34
			Clay and gravel.....	11	85.2	Rock.....		at 34
652. Alt. about 100 ft. Log of test boring for South Berwick Water District.			Bedrock.....		at 85.2			
Outwash:			660. Alt. 35.9 ft. Log of test boring for Maine Turnpike Authority at Beach Ridge Road, York.			667. Alt. 50.3 ft. Log of test boring for Maine Turnpike Authority at North end of Mousam River Bridge.		
Loam.....	1	1	Till:			Alluvium:		
Brown sand.....	10	11	Clay and loam.....	3	3	Silty clay.....	8	8
Marine deposits:			Clay, hard packed.....	2	5	Gravel and clay.....	3	11
Soft gray clay.....	53	64	Clay.....	5	10	Marine deposits:		
			Clay and gravel.....	3	13	Silty clay.....	2	13
653. Alt. about 150 ft. Log of test boring for South Berwick Water District.			Refusal.....		at 15	Clay.....	21	34
Ice-contact deposits:			661. Alt. 136.9 ft. Log of test boring for Maine Turnpike Authority at Charles Chase Road, Wells.			Sandy clay.....	17	51
Brown sand and scattered gravel.....	29	29	Outwash:			Till:		
Fine light sand, sharp gravel, and boulders.....	4	33	Gravel, clay, and boulders...	2	2	Gravel and clay.....	10.7	61.7
654. Alt. about 100 ft. Log of test boring for South Berwick Water District.			Coarse gravel.....	17.5	19.5	Rock.....		at 61.7
Outwash:			Sand and coarse gravel.....	1	20.5			
Loam.....	1	1	Rock.....		at 20.5	668. Alt. 56.7 ft. Log of test boring for Maine Turnpike Auth. for Kennebunk River Bridge.		
Brown sand.....	3	4				Alluvium:		
Marine deposits:			662. Alt. 133.9 ft. Log of test boring for Maine Turnpike Authority at Burnt Mills Road, Wells.			Loam and silt.....	2	2
Hard yellow clay.....	17	21	Till:			Silt, sand, and brown clay..	1	3
Till:			Boulders.....	2	2	Marine deposits:		
Hard gray clay and sharp gravel.....	22	43	Boulders and gravel.....	1	3	Blue marine clay.....	9	12
			Gravel.....	7.5	10.5	Soft blue clay.....	70	82
			Coarse gravel.....	4	14.5	Sand and clay.....	18	100
			Rock.....		at 14.5	Refusal.....		at 100
						669. Alt. 106.5 ft. Log of test boring for Maine Turnpike Authority at Limerick Road, Arundel.		
						Outwash:		
						Sand.....	45.1	45.1
						Till?:		
						Gravel and clay.....	28.5	73.6

Table 4.--Drillers' logs of selected wells and test holes in southwestern Maine--Continued

Thick- ness	Depth		Thick- ness	Depth		Thick- ness	Depth	
670. Alt. 126.1 ft. Log of test boring for Maine Turnpike Authority at Old Alfred Road, Arundel.			677. Alt. 116.5 ft. Log of test boring for Maine Turnpike Authority at Saco interchange overpass.			682.--Continued		
Till:			Marine deposits:			Marine deposits:--Continued		
Clay and gravel.....	3	3	Clay.....	3.4	3.4	Mottled brown and gray stiff silt-clay.....	5	22
Clay.....	3	6	Till:			Loose brown silty sand containing a little clay, becoming varved with cohesionless silt and clay toward bottom.....	8	30
Clay and gravel.....	4	10	Sand and clay.....	10.6	14	Uniform to slightly varved gray silt-clay.....	28	58
Sandy gravel.....	1	11	Gravel.....	18	32			
Refusal.....		at 11	Clay.....	9	41			
			Rock.....	1.6	42.6			
671. Alt. 90.5 ft. Log of test boring for Maine Turnpike Authority at Route 111, Biddeford.			678. Alt. 66.0 ft. Log of test boring for Maine Turnpike Authority at River Road, Biddeford.			Till:		
Fill:			Fill.....	1	1	Coarse black sand and gravel embedded in or stratified with fine blue-gray sand and cohesionless silt.	26	84
Gravel and clay.....	2	2	Marine deposits:			Medium to dense consistency		
Marine deposits:			Clay.....	13	14			
Clay.....	67	69	Till:			683. Alt. 3.8 ft. Test boring by State Highway Comm. for bridge across York River, south end.		
Premarine outwash:			Hardpan.....	7	21	Marine deposits:		
Sand.....	7.7	76.7	Gravel and clay.....	4	25	Dark-blue silty clay with shells.....	3	3
Rock.....		at 76.7	Rock.....		at 25	Soft brown silty clay with scattered gravel.....	6	9
672. Alt. 86.4 ft. Log of test boring for Maine Turnpike Authority at overpass for Biddeford interchange.			679. Alt. 110.3 ft. Log of test boring for Maine Turnpike Authority at Buxton Road (Route 112), Saco.			Till?:		
Marine deposits:			Outwash:			Soft blue clay with scattered gravel.....	8	17
Clay.....	11	11	Sand.....	2	2	Bedrock:		
Soft clay.....	15.5	26.5	Marine deposits:			Quartzite.....	6	23
Refusal.....		at 26.5	Clay.....	10	12			
673. Alt. 55.8 ft. Log of test boring for Maine Turnpike Authority at south end of Saco River Bridge.			Till:			684. Alt. 81.7 ft. Log of test boring by State Highway Comm. at bridge over Great Works River on Route 236.		
Alluvium:			Clay and gravel.....	4.8	16.8	Fill--Old railroad embankment..	14	14
Silt and loam.....	4.1	4.1	Rock.....		at 16.8	Till:		
Yellow clay.....	5	9.1				Soft mottled brown and gray clay and silt--thin sand layers, some gravel.....	5	19
Gravel.....	5	14.1	680. Alt. about sea level. Test boring for Goosefare Bridge between Saco and Old Orchard Beach on Route 9. At north abutment.			Loose gray silty sand and gravel.....	3	22
Marine deposits:			Sea water.....	11.5	11.5	Compact brown silty sand and gravel.....	3	25
Blue marine clay.....	22	36.1	Marine deposits:			Coarse dark-gray sharp sand and gravel embedded in fine brown silty sand, compact.....	9	34
Blue clay and fine sand.....	54	90.1	Very fine, slightly silty blue-gray sand containing a few pieces of flat gravel, firm.....	10	21.5	Boulders.....	3	37
Till:			Very soft gray silty clay containing sand pockets and black organic spots. Sand in lumps and lenses.....	2	23.5			
Dense clay.....	1	91.1	Very soft gray silty clay containing some small sand pockets and thin partings. Many black organic bands or spots.....	30	53.5	685. Alt. 237 ft. Log of test boring by State Highway Comm. at Powers Bridge (Route 4) on the Mousam River at South Sanford.		
Hardpan.....	1	92.1	Extremely fine gray sand and cohesionless silt, containing some gravel.....	4.3	57.8	Swamp deposits:		
674. Alt. 56.1 ft. Log of test boring for Maine Turnpike Authority at north end of Saco River Bridge.			Bedrock:			Silt and peat.....	2	2
Alluvium:			Very fine grained slatey quartzite.....	4.9	62.7	Ice-contact deposits:		
Silt and loam.....	5	5				Brown sandy gravel, dense....	10	12
Clay and fine sand.....	10	15	681. Alt. about 10 ft. Log of test boring by State Highway Comm. for bridge across York River, near north bank.			Loose gray silty sand.....	17	29
Premarine outwash?:			Marine deposits:			Alternate layers of loose brown silt and brown silty sand.....	10	39
Medium sand.....	4	19	Loose gray silty sand.....	4	4	Gray silty sand with thin layers of gray silt.....	22	61
Sandy gravel.....	9	28	Loose medium and fine brown silty sand containing shell fragments and scattered gravel.....	11	15	Coarse gray sand and gravel.	2	63
Till:			Stratified brown and gray silt and clay, soft.....	4	19	Bedrock:		
Clay, gravel.....	5	33	Medium and fine gray sand containing a little cohesionless silt. Medium consistency.....	17	36	White rock, like feldspar...	4	67
Gravel.....	1	34	Till?:					
Bedrock.....		at 34	Fine brown sand, medium to dense consistency.....	29	65	686. Alt. 118.9 ft. Log of test boring by State Highway Comm. at crossing of Route 111 and Maine Central Railroad in Biddeford.		
675. Alt. 67.1 ft. Log of test boring for Maine Turnpike Authority at Boom Road, Saco.			Gray silt, sand, and gravel, medium consistency.....	6	71	Marine deposits:		
Premarine outwash:			Quartzite.....	6	77	Sandy loam.....	1	1
Topsoil.....	1	1				Soft plastic gray-brown silty clay containing sand strata.....	11	12
Sand.....	1	2	682. Alt. 3.8 ft. Log of test boring by State Highway Comm. for bridge across York River, Harris Island.			Very soft plastic blue-gray clay containing occasional thin sand strata near top and frequent sand strata with some gravel near bottom. Clay greatly weakened by moulding.....	47	59
Coarse sand and gravel.....	56.7	58.7	Marine deposits:					
676. Alt. 118.5 ft. Log of test boring for Maine Turnpike Authority at New County Road, Saco.			Loose, blue-gray sand with shells.....	9	9	Firm mixture of silt and gravel.....	5.5	64.5
Outwash:			Gray and brown cohesionless silt, shell fragments at top, peat and organic silt in the middle, and some clay near bottom.....	8	17	Bedrock.....	6	70.5
Sand.....	3	3						
Marine deposits:								
Clay.....	9	12						
Sand.....	18	30						
Fine sand and clay.....	4	34						
Till?:								
Coarse sand and clay.....	43	77						
Gravel and clay.....	9	86						
Hard clay.....	9	95						
Sand and clay.....	9	104						
Rock.....	4	108						

Table 4.--Drillers' logs of selected wells and test holes in southwestern Maine--Continued

Thick- ness Depth		:	Thick- ness Depth		:	Thick- ness Depth	
687. Alt. 219.5 ft. Log of test		:	687.--Continued		:	688. Alt. 148.4 ft. Log of test	
boring by State Highway Comm. on		:	Marine deposits?:--Continued		:	boring by State Highway Comm. at	
Route 111 at Littlefield River,		:	Gray varved silt and clay....	1.5 14.5	:	crossing of B & M tracks and	
Alfred.		:	Varved gray silt.....	.5 15	:	Route 9 in North Berwick.	
Outwash:		:	Till:		:	Till:	
Fine sand, becoming stratified		:	Stiff brown silt and clay		:	Fine and medium yellow-brown	
with silt and sand toward		:	with some sand pockets....	3 18	:	sand containing some	
bottom.....	6.5 6.5	:	Compact brown silty sand and		:	gravel (Water table at	
Marine deposits?:		:	gravel with clay streaks		:	4 ft.).....	8 8
Soft gray micaceous silt and		:	Some boulders.....	11.5 29.5	:	Silty gray sand containing	
little clay.....	5 11.5	:	Bedrock:		:	some gravel.....	18 26
Fine gray micaceous silty		:	Coarse grained granite.....	6 35.5	:	Bedrock:	
sand.....	1 12.5	:			:	Dark-gray quartzite.....	10.5 36.5
Brittle silty gray clay.....	.5 13	:			:		

Table 5.--Chemical analyses of water from wells and springs in southwestern Maine

(Analytical results in parts per million except as indicated)

(Analyses by U. S. Geological Survey)

Well or spring no.	Depth: (ft.)	Geologic unit	Date of collection	Temperature (°F)	Silica (SiO ₂)	Iron (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Carbonate (CO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Dissolved solids (residue on evaporation at 180°C)	Hardness as CaCO ₃		Specific conductance (micromhos at 25°C)	pH	Color 1/	Remarks
																			Total	Noncarbonate				
14	21	Outwash	11-13-61	-	6.8	0.08	0.0	2.2	0.9	2.8	1.1	10	0	5.6	0.2	0.0	1.7	30	9	1	41	5.8	2	
39	137	Premarine stratified drift	11-14-61	-	11	13	0	18	15	430	7.7	342	4	90	490	3.0	1.7	1,250	107	0	2,220	8.3	3	
66	100	Bedrock	11-14-61	-	14	05	0	18	4.5	13	6.4	104	0	15	1.4	.4	.0	124	64	0	209	7.8	3	
126	93	Till	11-14-61	-	18	09	0	20	4.9	17	3.8	58	0	34	13	.3	13	158	70	23	244	6.9	2	
132	16	do.	11-14-61	-	7.2	-	-	5.0	.6	4.1	2.9	11	0	12	2.8	.0	3.4	44	15	6	68	6.8	2	
133	16	do.	11-14-61	-	7.9	19	0	22	4.8	28	11	47	0	18	61	.1	5.5	197	75	36	358	6.4	3	
134	20	Outwash	11-14-61	-	5.6	11	0	1.4	.2	1.7	.3	7	0	3.4	1.1	.0	.0	18	5	0	26	5.8	4	
143	275	Bedrock	4-10-53	49	13	06	.05	23	3.1	8.2	3.1	75	0	17	15	.1	1.1	129	70	9	211	7.2	3	Al 1.1; Zn 1.2; Cu .00; Li .0; PO ₄ .1.
156	11	Ice-contact deposits	11-15-61	51.5	7.2	02	0	12	3.8	4.0	3.1	16	0	20	11	.0	11	85	46	33	140	6.2	2	
157	140	Bedrock	11-15-61	-	16	21	.2	23	10	7.5	1.4	107	0	17	10	.5	.1	137	99	11	235	7.9	4	
158sp	-	Pleistocene beach deposits	11-14-61	50	11	02	0	13	5.1	10	2.4	42	0	13	22	.1	2.6	102	54	19	189	6.5	2	
272	200+	Bedrock	2-17-54	46	7.2	11	.01	5.2	1.8	5.8	1.7	18	0	5.6	8.5	.0	.5	41	20	5	66	6.6	2	Al .0; Cu .00; Zn .00; Li .0; PO ₄ .0.
273	18	Marine deposits	2-17-54	45	11	10	.00	7.2	2.0	3.9	.8	20	0	12	8.8	.0	.4	52	29	12	79	6.5	7	Al .2; Cu .14; Zn .67; Li .0; PO ₄ .0.

1/ Color data were obtained by comparing color of water sample to the platinum-cobalt scale of Hazen (1892, p. 427, 428).

Made by Division of Sanitation, State Bureau of Health

(In parts per million except pH)

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Table 7.--Fluctuations of the water level in an observation well (well 617) at Cornish, York County, Maine
(Water levels in feet below land-surface datum.)

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	
<u>1943</u>			<u>1946</u>			<u>1947</u>			<u>1948</u>			
Nov. 6	11.55	Feb. 10	13.33	June 1	11.94	Oct. 11	17.2	Feb. 12	11.3	June 17	12.6	
13	9.30	17	13.40	8	10.91	17	17.5	19	11.9	24	12.6	
21	10.60	24	13.48	15	9.94	24	17.8	26	12.5	July 1	12.75	
27	10.78	Mar. 3	13.51	22	9.92	31	18.1	Mar. 5	13.2	8	12.9	
Dec. 3	10.76	7	13.55	29	11.00	Nov. 7	18.1	12	11.5	15	12.9	
11	10.98	17	8.57	July 6	11.98	14	18.4	19	11.8	22	11.15	
18	11.82	24	9.00	13	12.92	21	18.1	26	9.2	29	11.35	
25	12.36	31	9.95	20	12.98	28	13.2	Apr. 2	8.7	Aug. 5	10.7	
<u>1944</u>			6	9.98	27	12.96	Dec. 5	10.7	9	8.9	12	11.3
Jan. 2	13.00	Apr. 14	10.90	Aug. 3	11.98	12	11.1	16	9.2	19	11.3	
9	13.40	21	11.98	10	12.95	19	11.4	23	8.9	26	11.15	
16	13.98	28	11.91	17	13.94	26	12.1	30	9.3	Sept. 2	11.55	
23	14.68	May 6	11.93	24	14.93	<u>1949</u>			May 7	9.8	9	11.3
30	14.64	12	11.92	31	14.91	Jan. 2	8.7	14	10.4	16	11.4	
Feb. 6	15.20	19	11.92	Sept. 7	15.96	9	9.1	21	11.1	23	11.8	
Mar. 12	16.30	26	11.90	14	15.99	16	10.1	28	11.6	30	12.5	
19	16.01	June 2	11.01	21	16.93	23	11.1	June 4	11.9	Oct. 7	12.8	
Apr. 18	8.80	9	11.91	28	16.95	30	11.4	11	12.1	14	12.55	
May 7	9.90	16	11.96	Oct. 5	17.90	Feb. 6	11.9	18	12.5	21	12.55	
17	10.70	23	12.92	12	17.92	13	12.4	25	12.8	28	11.55	
24	11.68	30	12.65	19	17.95	20	12.7	July 2	12.54	Nov. 4	8.6	
June 6	11.97	July 7	13.93	26	17.90	27	12.3	9	13.1	11	8.7	
14	12.80	14	14.90	Nov. 2	18.10	Mar. 6	13.6	16	13.7	18	9.5	
Aug. 29	16.20	21	14.90	10	18.30	13	11.2	23	14.3	25	10.1	
Sept. 6	17.28	21	14.89	16	17.50	20	11.1	30	14.55	Dec. 2	10.8	
Oct. 1	12.09	28	13.98	23	17.40	27	9.4	Aug. 6	15.3	9	10.35	
Dec. 12	9.93	Aug. 4	9.92	30	17.10	Apr. 3	8.4	13	15.4	16	10.8	
<u>1945</u>			11	10.94	Dec. 7	15.40	10	8.9	20	15.7	23	10.9
Jan. 5	9.82	18	11.92	14	14.50	17	9.6	27	15.9	30	11.25	
Feb. 26	14.57	25	11.98	21	14.50	24	9.4	Sept. 2	15.8	<u>1952</u>		
Apr. 29	8.60	Sept. 1	10.95	28	14.60	May 1	9.7	10	15.2	Jan. 6	11.1	
May 6	8.10	8	11.93	<u>1948</u>			8	10.2	18	14.4	13	11.6
13	8.97	15	11.94	Jan. 4	14.7	15	10.8	18	14.4	20	11.4	
20	8.95	22	12.91	11	15.1	22	11.3	25	14.29	27	9.6	
27	8.98	29	12.92	18	15.4	29	11.2	Oct. 1	14.72	Feb. 3	9.1	
June 3	10.25	Oct. 6	9.91	25	15.9	June 5	11.25	8	15.4	10	9.6	
10	11.01	13	10.96	Feb. 1	16.2	12	11.8	15	15.3	17	10.4	
17	11.60	20	11.96	8	16.4	19	12.2	22	14.5	24	11.2	
24	11.01	27	11.99	15	16.7	26	12.8	29	14.45	Mar. 2	11.8	
30	9.05	Nov. 3	12.93	22	16.5	July 3	13.2	Nov. 5	14.55	9	11.9	
July 7	10.94	10	12.97	29	16.4	10	13.8	12	14.8	16	9.2	
15	11.94	17	12.97	Mar. 7	16.3	17	14.2	19	15.05	23	8.8	
22	12.48	24	12.98	14	16.2	24	14.4	26	13.9	30	8.8	
29	12.48	Dec. 1	12.95	21	10.6	31	14.5	Dec. 3	8.8	Apr. 6	7.9	
Aug. 4	13.89	8	13.91	28	8.8	Aug. 7	15.1	10	8.35	13	8.1	
12	13.94	15	13.92	Apr. 4	9.2	14	15.4	17	9.3	20	8.6	
19	14.05	22	13.94	11	10.2	21	15.8	24	10.1	27	9.3	
26	14.10	29	13.95	18	10.1	28	16.1	31	11.2	May 4	9.9	
Sept. 2	14.35	<u>1947</u>			25	9.5	Sept. 4	16.3	<u>1951</u>			
9	14.45	Jan. 1	14.30	May 2	10.5	11	16.7	Jan. 7	11.55	11	10.6	
16	14.50	5	14.92	9	10.8	18	16.8	14	12.1	18	9.3	
23	15.05	12	14.98	16	10.3	25	17.10	21	12.1	June 1	9.6	
Oct. 1	15.20	16	15.91	23	8.7	Oct. 2	17.3	28	12.4	8	9.1	
6	15.10	19	15.91	30	9.1	9	17.2	Feb. 4	12.6	15	10.55	
13	15.05	26	14.92	June 6	9.6	16	17.5	11	10.3	22	11.2	
20	11.05	Feb. 2	13.96	13	10.1	23	17.7	18	11.2	29	11.4	
24	12.60	9	9.98	20	10.4	30	18.1	25	10.55	July 6	11.9	
Nov. 6	13.20	16	11.94	27	10.9	Nov. 6	18.2	Mar. 4	11.2	13	11.75	
11	13.68	23	11.97	July 4	11.4	13	17.8	11	11.6	20	11.75	
18	14.02	Mar. 2	12.96	11	12.1	21	16.65	18	9.9	27	12.7	
25	8.98	9	12.98	18	12.4	27	15.4	25	9.2	Aug. 3	13.55	
Dec. 2	10.25	16	9.91	25	12.9	Dec. 4	14.05	Apr. 1	8.7	10	13.8	
9	9.97	23	9.91	Aug. 1	13.3	11	13.45	8	8.7	17	14.4	
16	9.98	30	9.91	8	14.0	18	13.05	15	9.2	24	14.8	
23	10.90	Apr. 6	9.91	15	14.3	25	13.40	22	9.5	31	15.3	
30	11.08	13	9.91	22	14.8	<u>1950</u>			29	9.1	Sept. 7	15.6
<u>1946</u>			20	9.96	29	15.1	Jan. 1	13.2	May 6	9.5	14	15.8
Jan. 6	11.38	27	10.92	Sept. 5	15.3	8	13.1	13	10.8	21	16.2	
13	11.15	May 4	10.96	13	15.9	15	10.6	20	11.1	28	15.9	
20	11.68	11	8.98	19	16.1	22	10.3	27	11.7	Oct. 5	16.1	
27	11.20	18	9.99	26	16.7	29	10.1	June 3	11.75	12	15.6	
Feb. 3	12.68	25	11.91	Oct. 3	17.1	Feb. 5	10.7	10	12.2	19	16.1	

Table 7.--Fluctuations of the water level in an observation well (well 617) at Cornish, York County, Maine--Continued

Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level	Date	Water level			
<u>1952</u>		<u>1954</u>		<u>1955</u>		<u>1956</u>		<u>1958</u>		<u>1959</u>				
Oct. 26	15.3	Mar. 14	9.2	Aug. 7	15.2	Dec. 30	11.2	May 25	10.25	Dec. 12	9.3			
Nov. 2	16.1	21	10.7	14	15.7	<u>1957</u>		31	10.9	21	9.4			
9	16.3	Apr. 4	28	21	15.2	Jan. 6	11.4	June 8	11.1	28	10.2			
16	16.8		28	15.2	14	12.5	15	11.4	<u>1960</u>					
23	17.1		11	9.8	Sept. 4	15.5	20	13.2	22	12.01	Jan. 3	10.2		
30	17.3		18	9.9	11	16.1	27	9.8	29	12.7	7	9.7		
Dec. 7	17.4	25	9.1	18	16.5	Feb. 3	10.7	July 6	13.2	24	11.6			
14	8.5	May 2	9.6	25	16.7		10		11.4	13	13.5	31	11.7	
21	9.5		9	9.2	Oct. 2		17.1		17	12.2	20	12.6	Feb. 6	11.7
28	9.4		16	8.6	9		17.4		24	13.1	27	13.1	15	9.9
<u>1953</u>			9.2	16	17.6	Mar. 2	11.1	Aug. 3	13.1	21	10.4			
Jan. 4	10.5	30	9.1	23	17.8	10	10.8		10	13.1	Mar. 6	11.5		
11	11.6	June 6	9.3	30	17.6	17	10.4		17	13.6	14	12.1		
18	12.1		13	9.6	Nov. 6	15.1	24		10.4	24	14.1	22	12.3	
25	11.8		20	10.3	13	11.2	31	10.8	31	14.6	Apr. 4	8.1		
Feb. 1	11.4		27	10.9	20	11.2	Apr. 7	11.2	Sept. 7	15.1	13	8.2		
8	11.3	July 4	10.2	27	11.5	14	10.2	14	15.1	19	8.4			
15	11.6		11	10.55	Dec. 4	12.1	21	10.4	21	15.2	24	8.8		
22	10.2		18	11.2	11	12.6	28	10.9	28	15.4	May 1	9.2		
Mar. 1	10.3		25	11.7	18	13.2	May 5	11.6	Oct. 5	15.3	8	9.8		
8	10.8	Aug. 1	11.2	25	14.1	12		12.2	12	15.2	15	10.7		
15	9.8		8	10.5	<u>1956</u>			19	12.6	19	15.5	22	9.1	
22	9.1		15	10.3	Jan. 1	14.4		26	12.3	26	16.1	29	9.1	
29	8.05		22	11.1	8	14.1	June 2	12.7	Nov. 3	15.2	June 4	9.7		
Apr. 5	8.7	29	11.8	15	8.4	9		13.1		9	14.3	12	10.4	
12	9.2	Sept. 5	10.4	22	9.2	16		13.6		16	13.3	19	9.9	
19	8.45		12	8.1	29	10.8		23		14.1	23	12.9	27	10.6
26	9.1		19	8.8	Feb. 4	11.7	30	13.6	30	12.7	July 4	10.8		
May 3	9.2		26	9.25	12	12.2	July 7	12.6	Dec. 7	11.1	11	11.6		
10	9.1	Oct. 3	10.3	19	12.7	14	13.1	14	10.9	17	12.1			
17	9.4		10	10.9	26	13.1	21	13.6	21	10.6	24	12.6		
24	9.2		17	11.1	Mar. 4	13.6	28	14.4	28	12.6	Aug. 1	13.2		
31	10.4		24	10.4	11	13.9	Aug. 4	14.2	<u>1959</u>		7	12.9		
June 7	11.4	31	11.2	18	14.1	11		14.5	Jan. 4	13.1	15	13.6		
14	11.8	Nov. 7	8.8	25	14.3	18		15.1	11	13.8	21	14.1		
21	12.3		14	9.8	Apr. 1	14.1		25	15.5	25	14.3	29	14.1	
28	12.9		21	10.5	8	11.5	31	16.1	Feb. 10	14.4	Sept. 5	15.1		
July 5	13.5		28	9.8	15	8.7	Sept. 8	16.5	Mar. 1	15.4	11	15.6		
13	13.4	Dec. 5	9.1	22	8.5	15	16.8	16	15.6	19	11.6			
19	14.2		12	10.8	29	8.9	22	17.1	27	13.8	25	11.7		
26	14.8		19	9.5	May 6	9.1	29	17.3	Apr. 5	8.5	Oct. 2	12.2		
Aug. 2	15.2		26	9.8	13	9.6	Oct. 6	17.6	12	8.7	9	12.5		
9	15.6	<u>1955</u>		20	10.6	13	17.8	19	9.9	17	13.4			
16	15.1	Jan. 2	10.6	27	11.4	20	18.1	26	10.3	25	11.3			
23	14.6	Feb. 9	10.9	June 3	11.2	27	18.2	May 4	11.1	31	9.8			
29	15.1		16	11.4	10	11.2	Nov. 3	18.1	10	11.5	Nov. 15	10.79		
Sept. 5	15.6		23	12.1	17	11.7	10	17.4	17	12.1	30	11.85		
13	15.5		30	12.2	24	11.9	17	15.3	25	12.4	Dec. 15	11.56		
20	16.3	Feb. 5	13.5	July 1	12.5	24	11.6	31	12.9	29	12.18			
27	16.6		13	12.7	8	12.9	Dec. 1	10.8	June 8	13.2	<u>1961</u>			
Oct. 4	17.1		20	12.2	15	12.7	8	10.4	14	13.6	Jan. 15	13.42		
11	17.3		27	12.1	22	12.1	15	8.9	22	11.2	27	14.64		
18	17.6	Mar. 6	11.2	29	12.1	22	9.7	29	11.8	Feb. 15	16.01			
25	18.1		13	11.1	Aug. 5	12.5	29	9.1	July 6	12.2	27	14.76		
Nov. 1	18.1		20	9.4	12	13.1	<u>1958</u>		13	12.7	Mar. 15	10.42		
8	18.2		27	10.1	19	13.7	Jan. 5	9.1	20	13.2	29	9.66		
15	17.8	Apr. 3	9.5	26	14.5	12	9.7	27	13.9	Apr. 15	8.24			
22	16.5		10	9.1	Sept. 2	14.9	19	10.7	Aug. 3	14.4	28	8.96		
29	12.8		17	9.9	10	15.1	26	9.4	9	14.9	May 15	10.44		
Dec. 6	10.9		24	10.3	16	15.1	Feb. 1	9.1	17	15.3	28	11.79		
13	9.1	May 1	10.5	23	15.2	9	9.7	23	15.4	June 15	11.96			
20	9.5		8	10.1	30	14.2	16	10.8	31	15.7	28	12.22		
27	10.22		15	11.1	Oct. 7	13.7	23	11.4	Sept. 7	14.7	July 15	13.28		
<u>1954</u>			11.8	14	13.3	Mar. 1	11.8	14	14.2	28	11.08			
Jan. 3	11.4	June 5	11.9	21	13.5	9	11.9	21	13.9	Aug. 15	12.46			
10	11.9		12	12.1	28	13.7	15	9.2	27	14.3	28	13.68		
17	12.1		12	12.1	Nov. 4	13.9	23	9.3	Oct. 5	14.9	Sept. 15	14.10		
24	12.8		19	11.8	11	14.2	30	9.1	12	14.6	29	14.24		
30	13.1	July 3	12.2	18	14.7	Apr. 6	8.6	18	14.2	Oct. 21	13.88			
Feb. 7	13.3		12.5	25	14.8	13	8.6	26	10.4	29	14.39			
14	14.1		10	13.2	Dec. 2	13.1	17	8.32	Nov. 2	10.2	Nov. 16	14.48		
21	14.3		17	13.7	9	12.8	20	8.6	8	11.2	27	10.68		
28	12.4	Mar. 31	14.2	16	12.8	27	9.1	14	10.8	Dec. 15	11.30			
Mar. 7	8.9		14.9	23	10.8	May 3	8.8	22	10.4	28	11.82			
						10	9.3	29	8.9					
						18	9.8	Dec. 7	10.2					

Table 8.--Production of water for public supply in southwestern Maine, 1961
(Data from reports to the Public Utilities Commission.)

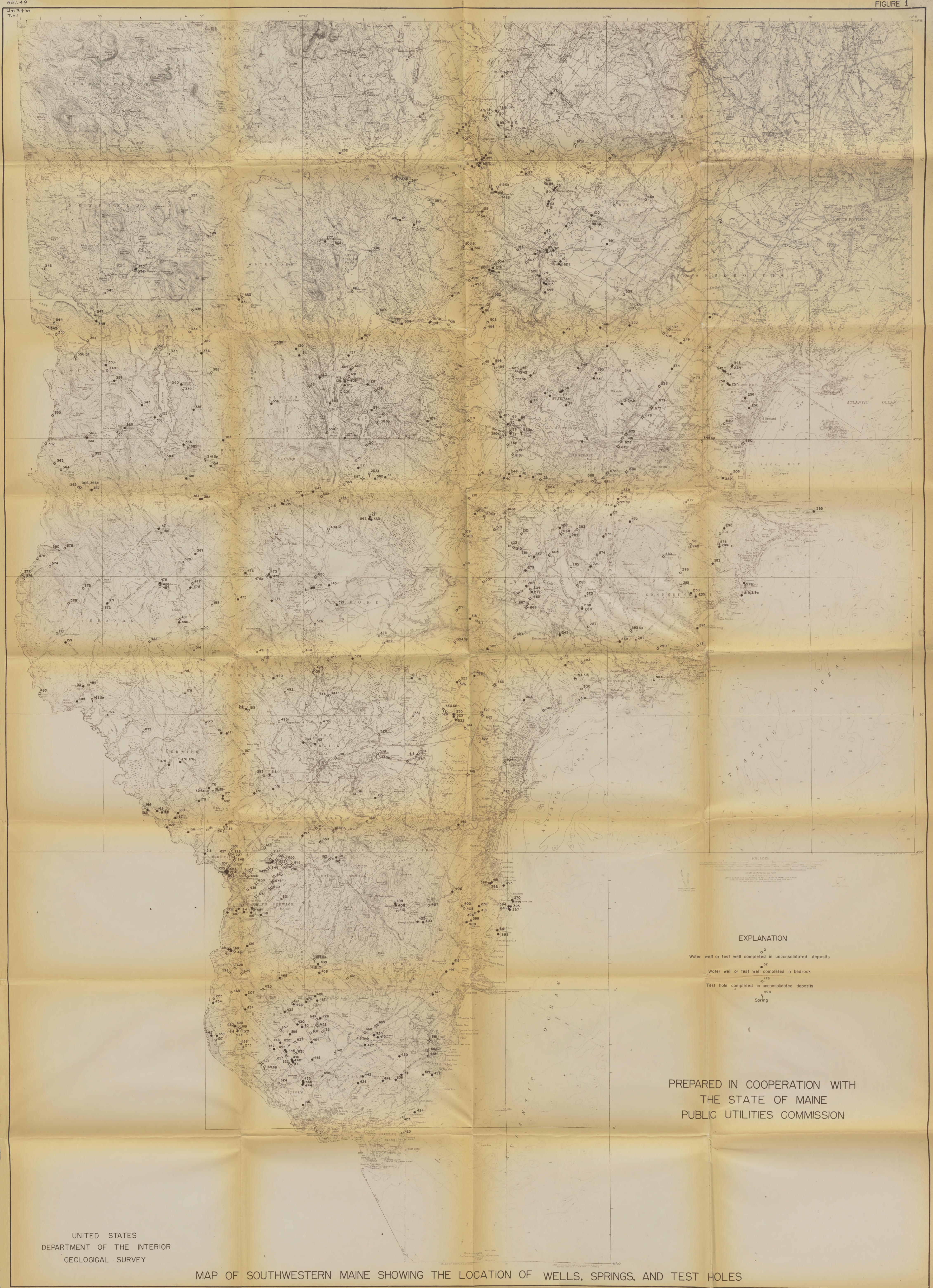
Utility	: Customers <u>1/</u>	: Ground water : (million : gallons)	: Surface water: (million : gallons)	: Total (million gallons)
Alfred Water Company	: 165	: 12.0 <u>2/</u>	: -	: 12.0
Berwick Water Dept.	: 439	: -	: 45.4	: 45.4
Biddeford and Saco Water Co.	: 10,008	: -	: 1,252.1	: 1,252.1
Kennebunk, Kennebunkport, and Wells Water District	: 5,604	: -	: 558.4	: 558.4
Kittery Water District	: 4,072	: 80.1	: 750 <u>2/</u>	: 830.1
North Berwick Water Company	: 360	: -	: 28.4	: 28.4
Sanford Water District	: 5,245	: 350.3	: 17.3	: 367.6
South Berwick Water District	: 572	: 42.0 <u>2/</u>	: -	: 42.0
York Water District	: 2,885	: -	: 337.1	: 337.1
Totals	: 28,911	: 484.4	: 2,988.7	: 3,473.1

1/ Includes industrial and commercial as well as households.

2/ Estimated by the author.

– NOTES –

NOTES



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MAP OF SOUTHWESTERN MAINE SHOWING THE LOCATION OF WELLS, SPRINGS, AND TEST HOLES

EXPLANATION

- Water well or test well completed in unconsolidated deposits
- Water well or test well completed in bedrock
- Test hole completed in unconsolidated deposits
- Spring

PREPARED IN COOPERATION WITH
THE STATE OF MAINE
PUBLIC UTILITIES COMMISSION



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